Product Information / Technical Service Manual

M3000/M300X Series Treatment Chairs

Includes Models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC

L'information de produit/manuel d'entretien technique technique
Chaises de traitement de la série M3000
Inclut les modèles M3000LC, M3010LC, M3000FB, M3010FB, M300X et E3010LC

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CONGRATULATIONS

ON YOUR PURCHASE OF BOYD ORTHODONTIC
EXAM / TREATMENT CHAIRS

BOYD INDUSTRIES HAS SPENT YEARS DESIGNING AND DEVELOPING THE BEST ORTHODONTIC PRODUCTS AVAILABLE IN THE WORLD TODAY.

THE FOLLOWING ARE UNIQUE FEATURES THAT MAKE YOUR BOYD CHAIR THE MOST ADVANCED AND FUNCTIONAL ORTHODONTIC CHAIR AVAILABLE.

1- STANDARD PROGRAMMING ON M3000/M3010 CHAIRS ALLOWS THE OPERATOR TO PROGRAM 3 POSITIONS THAT CAN BE RECALLED AT ANY TIME AND FROM ANY POSITION.

2- THE “AUTO RETURN” POSITION PUTS THE CHAIR INTO THE RECOMMENDED “ENTRANCE / EXIT POSITION”.

3- LOW VOLTAGE D/C MOTORS ARE STANDARD ON ALL CHAIRS. D/C MOTORS ARE SAFER AND HAVE A LONGER LIFE EXPECTANCY THAN A/C MOTORS.

APPLICATION OF PRODUCT

THIS PRODUCT IS DESIGNED FOR THE PURPOSE OF COMFORTABLY POSITIONING PATIENTS DURING MEDICAL / DENTAL EXAMINATIONS AND PROCEDURES.

CHAIR SECTIONS MOVE TO ALLOW THE MOST ADVANTAGEOUS WORKING POSITION FOR THE DOCTOR AND HIS/HER ASSISTANT(S).

WARRANTY STATEMENT

BOYD INDUSTRIES (“BOYD”) ONLY WARRANTS ITS PRODUCTS TO BE FREE FROM DEFECTS IN MATERIAL (“PARTS WARRANTY”) AND WORKMANSHIP (“LABOR WARRANTY”). NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, APPLY. THE WARRANTY, COMMENCING AT THE INVOICE DATE OF THE EQUIPMENT, SHALL EXTEND FOR THREE (3) YEARS FOR PARTS AND (1) YEAR FOR LABOR UNLESS OTHERWISE STATED. THE LABOR WARRANTY SHALL BE THE SOLE RESPONSIBILTY OF THE DEALER/DISTRIBUT0R. IN THE EVENT OF A DIRECT SALE, BOYD WILL ASSUME THE RESPONSIBILITY OF THE DEALER/DISTRIBUTOR AS IT PERTAINS TO THE LABOR WARRANTY. THE WARRANTY IS EXCLUSIVE TO PRODUCTS MANUFACTURED BY BOYD. PRODUCTS DISTRIBUTED BY BOYD, BUT NOT MANUFACTURED BY BOYD, SHALL NOT BE SUBJECT TO THIS WARRANTY AND WILL BE WARRANTIED ONLY TO THE EXTENT OF THE MANUFACTURER’S WARRANTY.

IN THE EVENT OF THE BREACH OF SUCH WARRANTY, WRITTEN NOTICE OF SUCH BREACH MUST BE GIVEN TO BOYD WITHIN THE PERIOD OF THE WARRANTY BREACHED. BOYD RESERVES THE RIGHT TO REMEDY SUCH BREACH, AT ITS SOLE DISCRETION, BY REPAIR OR REPLACEMENT OF THE PRODUCT IN QUESTION. THE REPAIR OR REPLACEMENT OF THE PRODUCT IN QUESTION SHALL BE THE SOLE EXCLUSIVE REMEDY AVAILABLE WITH RESPECT TO ANY DEFECT.

THE WARRANTY DOES NOT COVER DAMAGE OR DEFECTS RESULTING FROM OR IN ANY WAY ATTRIBUTABLE TO IMPROPER INSTALLATION OR MAINTENANCE, NEGLECT, ABUSE, OR MISUSE OF THE PRODUCT. MOREVER, THE WARRANTY DOES NOT COVER A PRODUCT THAT HAS BEEN ALTERED IN ANY WAY FROM ITS ORIGINAL CONDITION, OR A PRODUCT THAT HAS BEEN OR IS BEING USED IN ANY WAY OTHER THAN THE PRODUCT’S DESIGNED INTENT. FOR WARRANTY TO REMAIN VALID, ALL SERVICE AND MAINTENANCE OF PRODUCT MUST BE PERFORMED BY AN AUTHORIZED SERVICE TECHNICIAN AND WRITTEN LOGS AND RECEIPTS FOR SERVICE MUST BE MAINTAINED.

NO CLAIM FOR CONSEQUENTIAL DAMAGES WILL BE ALLOWED. FREIGHT DAMAGE OR MISHANDLING OF BY ANY THIRD PARTY SHALL NOT BE CONSIDERED A WARRANTY ITEM. IMPROPER INSTALLATION BY A THIRD PARTY CAUSING DAMAGE TO EQUIPMENT IS NOT A WARRANTY ITEM. BOYD RESERVES THE RIGHT TO ALTER OR CHANGE ANY PRODUCT WITHOUT NOTICE.

SAFETY WARNING SYMBOLS
SYMBOLES D'AVERTISSEMENT DE SÛRETÉ

CAUTION: RISK OF ELECTRICAL SHOCK
ATTENTION: RISQUE DE CHOC ÉLECTRIQUE

CAUTION: GENERAL DANGER
ATTENTION:DANGER

INFORMATIONAL: READ TECHNICAL MANUAL BEFORE SERVICING
D'INFORMATION: LIRE MANUEL TECHNIQUE AVANT DE

INFORMATIONAL: READ OPERATOR'S MANUAL
INFORMATION: LECTURE DU MANUEL DE L'OPÉRATEUR

MAIN POWER ON
MAINS-POWER-ON

MAIN POWER OFF
MAINS-POWER-OFF

ACCESSORY POWER ON
SUR LES ACCESSOIRES

ACCESSORY POWER OFF
ACCESSOIRES OFF

LIGHT

TYPE B EQUIPMENT
ÉQUIPEMENT DE TYPE B

PROTECTIVE EARTH GROUND
PROTECTION ÉCHOUEMENT TERRE

EARTH GROUND
ÉCHOUEMENT TERRE

-WARNING- AVERTISSANT

ALWAYS DISCONNECT THE A/C POWER CORD AND PRESS THE MEMORY POSITION "1" SWITCH BEFORE DISCONNECTING OR CONNECTING MOTOR CABLES. FAILURE TO DISCONNECT THE A/C POWER CORD CAN CAUSE DAMAGE TO THE CONTROL BOX.

TOUJOURS DÉBRANCHEZ LE CORDON DE SECTEUR D'APPAREIL ET SERREZ LA POSITION DE MÉMOIRE « 1 » COMMUTATEUR AVANT DE DÉBRANCHER OU RELIER DES CÂBLES DE MOTEUR. LE MANQUE DE DÉBRANCHER LE CORDON DE SECTEUR D'APPAREIL ENDOMMAGERA LA BOÎTE DE COMMANDE.

SAFETY PRECAUTIONS

1. Medical Electrical equipment needs special precautions regarding EMC and needs to be installed and put into service according to the EMC information provided in this manual.
2. Portable and mobile RF communications equipment can affect medical electrical equipment
3. The use of accessories, transducers, and cables other than those specified by the manufacturer, may result in increased emissions or decreased immunity of the M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC Chairs. Refer to emissions & immunity data on pages 48-51.
4. The M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC Chairs should not be used adjacent to or stacked with other equipment, and that if adjacent to or stacked use is necessary, the M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC Chairs should be observed to verify normal operation in the configuration in which they will be used.

SÉCURITÉ

1. L'appareillage électrique médical a besoin des précautions spéciales concernant EMC et doit être installé et mis en service selon les informations d'EMC fournies en ce manuel.
2. Le matériel de transmissions portatif et mobile de rf peut effectuer l'appareillage électrique médical
3. L'utilisation des accessoires, des capteurs, et des câbles autres que ceux indiqués par le fabricant, peut avoir comme conséquence les plus grandes émissions ou l'immunité diminuée de la chaise de M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC.
4. La chaise M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC ne devrait pas être employée à côté de ou empilée avec l'autre équipement, et cela si à côté de ou l'utilisation empilée est nécessaire, la chaise de M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC devrait être observée pour vérifier l'opération normale dans la configuration dans laquelle elle sera employée.

SAFETY TIPS

THIS PRODUCT HAS BEEN DESIGNED AND TESTED WITH YOUR SAFETY IN MIND. IMPROPER USE CAN RESULT IN ELECTRIC SHOCK OR OTHER PHYSICAL INJURIES. DO NOT DEFEAT THE SAFEGUARDS THAT HAVE BEEN DESIGNED INTO THIS PRODUCT. PLEASE READ AND OBSERVE THE FOLLOWING SAFETY POINTS WHEN INSTALLING AND OPERATING THIS PRODUCT AND SAVE THIS MANUAL AND ALL SUPPLEMENTAL LITERATURE FOR FUTURE REFERENCE. OBSERVING PRECAUTIONS LISTED IN THIS BOOKLET WILL HELP YOU GET MANY YEARS OF SERVICE AND SAFE OPERATION FROM YOUR EQUIPMENT.

CE PRODUIT A ÉTÉ CONÇU ET EXAMINÉ AVEC VOTRE SÛRETÉ À L'ESPRIT. L'UTILISATION INEXACTE PEUT AVOIR COMME CONSÉQUENCE LA DÉCHARGE ÉLECTRIQUE OU D'AUTRES DOMMAGES PHYSIQUES. NE DÉFAITES PAS LES SAUVEGARDES QUI ONT ÉTÉ CONÇUES DANS CE PRODUIT. LISEZ ET OBSERVEZ LES POINTS SUIVANTS DE SÛRETÉ EN INSTALLANT ET EN ACTIONNANT CE PRODUIT ET VEUILLEZ SAUVEZ CE MANUEL ET TOUTE LA LITTÉRATURE SUPPLÉMENTAIRE POUR LA FUTURE RÉFÉRENCE. OBSERVER DES PRÉCAUTIONS ÉNUMÉRÉES EN CE LIVRET VOUS AIDERA À AVOIR BEAUCOUP D'ANNÉES DE SERVICE ET D'EXPLOITATION SÛRE DE VOTRE ÉQUIPEMENT.

1) READ INSTRUCTIONS:

ALL SAFETY AND OPERATING INSTRUCTIONS SHOULD BE READ BEFORE THIS PRODUCT IS OPERATED.

LISEZ LES INSTRUCTIONS :

TOUTES LES SÛRETÉ ET CONSIGNES D'UTILISATION DEVRAIENT ÊTRE LUES AVANT CE PRODUIT EST ACTIONNÉ.

2) FOLLOW INSTRUCTIONS:

ALL USE AND OPERATING INSTRUCTIONS SHOULD BE FOLLOWED.

SUIVEZ LES INSTRUCTIONS :

TOUTES LES UTILISATION ET CONSIGNES D'UTILISATION DEVRAIENT ÊTRE SUIVIES

3) OWNER'S MANUAL:

RETAIN SAFETY AND OPERATING INSTRUCTIONS FOR FUTURE REFERENCE.

MANUEL DE S DE PROPRIÉTAIRE' :

MAINTENEZ LA SÛRETÉ ET LES CONSIGNES D'UTILISATION POUR LE FUTUR RÉFÉRENCE.

4) HEED WARNINGS:

ADHERE TO ALL WARNINGS ON EQUIPMENT AND IN OWNER'S MANUAL.

AVERTISSEMENTS D'ATTENTION :

ADHÉREZ À TOUS LES AVERTISSEMENTS SUR L'ÉQUIPEMENT ET DANS LE PROPRIÉTAIRE'S MANUEL.

5) ACCESSORIES:

DO NOT USE ANY ACCESSORIES NOT RECOMMENDED BY THE MANUFACTURER AS THEY MIGHT CAUSE HAZARDS.

ACCESSOIRES :

N'UTILISEZ AUCUN ACCESSOIRE NON RECOMMANDÉ PAR FABRICANT COMME ILS POURRAIENT CAUSER DES RISQUES.

6) CLEANING:

USE MILD DETERGENT IN WATER ON ALL PAINTED SURFACES AND PLASTIC PARTS. USE ONLY CLEANERS SPECIFICALLY DESIGNED FOR CLEANING / DISINFECTING VINYL UPHOLSTERY. REFER TO VINYL MANUFACTURER'S DOCUMENTATION FOR SPECIFIC CLEANING INFORMATION.

NETTOYAGE :

EMPLOYEZ LE DÉTERGENT DOUX DANS L'EAU SUR TOUTES LES SURFACES PEINTES ET PIÈCES EN PLASTIQUE. EMPLOYEZ SEULEMENT LES DÉCAPANTS SPÉCIFIQUEMENT CONÇUS POUR LE NETTOYAGE/LA DÉSINFECTION TAPISSERIE D'AMEUBLEMENT DE VINYLE. RÉFÉREZ-VOUS AU VINYLE DOCUMENTATION DE S DE FABRICANT' POUR LE DÉTAI NETTOYAGE L'INFORMATION.

7) LINE CORD:

THIS PRODUCT IS EQUIPPED WITH A POLARIZED, GROUNDED, ALTERNATING CURRENT LINE PLUG.
THIS PLUG WILL FIT INTO THE POWER OUTLET ONLY ONE WAY.
THIS IS A SAFETY FEATURE. IF YOU ARE UNABLE TO INSERT THE PLUG INTO YOUR OUTLET, CONTACT A LOCAL ELECTRICIAN TO CORRECT THE PROBLEM WITH THE A/C OUTLET.

LIGNE CORDE :

CE PRODUIT EST ÉQUIPÉ D'UNE POLARISÉE, FONDÉ,
CHANGEZ LIGNE COURANTE PRISE DE NATING. CETTE PRISE S'ADAPTERA DANS PRISE DE COURANT SEULEMENT UNE MANIÈRE. C'EST UN DISPOSITIF DE SÛRETÉ. SI VOUS NE POUVEZ PAS à insérer la fiche dans la prise, CONTACT un électricien pour corriger le problème avec la sortie A / C.

8) POWER CORD PROTECTION:

POWER SUPPLY CORDS SHOULD BE ROUTED SO THAT THEY ARE NOT WALKED ON OR PINCHED BY ANY OTHER EQUIPMENT PLACED UPON OR AGAINST THEM. PAY CLOSE ATTENTION TO CORDS AT

PROTECTION DE CORDON DE SECTEUR :

DES CORDES D'ALIMENTATION D'ÉNERGIE DEVRAIENT ÊTRE CONDUITES AINSI QU'ELLES N'EN SONT PAS MARCHÉES DESSUS OU NE SONT PAS PINCÉES PAR L'AUTRE ÉQUIPEMENT PLACÉ SUR OU CONTRE EUX. UNE ATTENTION PARTICULIÈRE DE SALAIRE AUX CORDES AUX PRISES, RÉCEPTACLES DE CONVENANCE, ET OÙ ELLES SORTENT L'ÉQUIPEMENT.

9) LIQUID AND OBJECT ENTRY:

NEVER INTENTIONALLY SPILL OR POUR LIQUIDS OF ANY KIND ON THIS EQUIPMENT. NEVER PUSH OBJECTS OF ANY TYPE INTO OPENINGS AS THEY COULD TOUCH MOVING PARTS OR DANGEROUS VOLTAGE POINTS INSIDE EQUIPMENT WHICH COULD CAUSE FIRE HAZARD, ELECTRIC SHOCK, AND/OR BODILY INJURY.

ENTRÉE DE LIQUIDE ET D'OBJET :

JAMAIS INTENTIONNELLEMENT RENVERSEZ OU VERSEZ LES LIQUIDES DE LA SORTE DESSUS CET ÉQUIPEMENT. NE POUSSEZ JAMAIS OBJETS DE TOUT TYPE DANS DES OUVERTURES CAR ILS POURRAIENT TOUCHER LES PIÈCES MOBILES OU DANGEREUX POINTS DE TENSION À L'INTÉRIEUR DE L'ÉQUIPEMENT QUI POURRAIT CAUSER LE RISQUE D'INCENDIE, DÉCHARGE ÉLECTRIQUE, ET/OU DOMMAGES CORPORELS.

10) SERVICING:

DO NOT ATTEMPT TO SERVICE THIS PRODUCT YOURSELF. THIS ACTION WILL VOID ANY WARRANTIES. OPENING COVERS COULD EXPOSE YOU TO DANGEROUS CURRENT AND MECHANICAL PINCH POINTS. SERVICE SHOULD ONLY BE PERFORMED BY QUALIFIED SERVICE PERSONNEL. CONTACT THE FACTORY FOR AUTHORIZED SERVICE FACILITIES IN YOUR AREA.

ENTRETIEN :

N'ESSAYEZ PAS D'ENTRETENIR CE PRODUIT VOUS-MÊME. CETTE ACTION VIDERA TOUTES LES GARANTIES. LES COUVERTURES S'OUVRANTES ONT PU VOUS EXPOSER AUX POINTS D'INVARIANCE COURANTS ET MÉCANIQUES DANGEREUX. LE SERVICE DEVRAIT SEULEMENT ÊTRE ASSURÉ PAR LE PERSONNEL DE SERVICE QUALIFIÉ. ENTREZ EN CONTACT AVEC L'USINE POUR ÉQUIPEMENTS AUTORISÉS DE SERVICE DANS VOTRE SECTEUR.

11) DAMAGE OR FAILURES REQUIRING SERVICE:

UNPLUG EQUIPMENT FROM POWER SOURCE AND REFER TO QUALIFIED SERVICE PERSONS IF ANY OF THE FOLLOWING OCCUR:

* POWER SUPPLY CORD IS DAMAGED.
* LIQUID HAS BEEN SPILLED INTO EQUIPMENT.
* OBJECTS HAVE FALLEN INTO EQUIPMENT.
* EQUIPMENT HAS BEEN EXPOSED TO RAIN OR WATER.
* EQUIPMENT HAS BEEN DROPPED OR DAMAGED.
* EQUIPMENT SHOWS SIGNIFICANT CHANGE IN OPERATION.
* EQUIPMENT DOES NOT OPERATE NORMALLY.

DOMMAGES OU ÉCHECS EXIGEANT LE SERVICE :

DÉBRANCHEZ L'ÉQUIPEMENT DE LA SOURCE D'ÉNERGIE ET RÉFÉREZ-VOUS AUX PERSONNES QUALIFIÉES DE SERVICE SI L'UN DES SUIVRE SE PRODUISENT :

* LA CORDE D'ALIMENTATION D'ÉNERGIE EST ENDOMMAGÉE.
* ON A RENVERSÉ LE LIQUIDE DANS L'ÉQUIPEMENT.
* LES OBJETS SONT TOMBÉS DANS L'ÉQUIPEMENT.
* L'ÉQUIPEMENT A ÉTÉ EXPOSÉ À LA PLUIE OU À L'EAU.
* L'ÉQUIPEMENT A ÉTÉ LÂCHÉ OU ENDOMMAGÉ.
* L'ÉQUIPEMENT MONTRE LE CHANGEMENT CRUCIAL EN FONCTION.
* L'ÉQUIPEMENT NE FONCTIONNE PAS NORMALEMENT.

12) REPLACEMENT PARTS:

IF REPLACEMENT PARTS ARE REQUIRED, PARTS SHOULD BE SUPPLIED OR APPROVED BY THE MANUFACTURER. UNAUTHORIZED SUBSTITUTIONS COULD RESULT IN ELECTRICAL SHOCK, FIRE HAZARD, AND/OR BODILY INJURY.

PIÈCES DE RECHANGE :

SI DES PIÈCES DE RECHANGE SONT EXIGÉES, DES PIÈCES DEVRAIENT ÊTRE FOURNIES OU APPROUVÉES PAR FABRICANT. LES SUBSTITUTIONS NON AUTORISÉES ONT PU AVOIR COMME CONSÉQUENCE LE CHOC ÉLECTRIQUE, LE FEU RISQUE, ET/OU DOMMAGES CORPORELS

13) SAFETY CHECKS:

UPON THE COMPLETION OF ANY SERVICE TO EQUIPMENT, SERVICE PERSONNEL MUST PERFORM SAFETY CHECKS TO INSURE THAT ALL EQUIPMENT IS FUNCTIONING PROPERLY AND SAFELY.

CONTRÔLES DE SÛRETÉ :

SUR L'ACCOMPLISSEMENT DE N'IMPORTE QUEL SERVICE À L'ÉQUIPEMENT, LE PERSONNEL DE SERVICE DOIT EXÉCUTER LA SÛRETÉ VÉRIFIE POUR ASSURER QUE TOUT L'ÉQUIPEMENT FONCTIONNE CORRECTEMENT ET SANS RISQUE.

14) HEAT / OPEN FLAME:

EQUIPMENT SHOULD BE INSTALLED AWAY FROM HEAT SOURCES SUCH AS RADIATORS, HEAT REGISTERS, STOVES, OR OTHER PRODUCTS THAT PRODUCE HEAT OR OPEN FLAMES. THERE SHOULD BE NO SMOKING IN A ROOM WHERE THIS EQUIPMENT WILL BE OPERATED OR STORED.

LA CHALEUR/FLAMME NUE :

L'ÉQUIPEMENT DEVRAIT ÊTRE INSTALLÉ LOIN DES SOURCES DE CHALEUR COMME DES RADIATEURS, LA CHALEUR S'ENREGISTRE, DES FOURNEAUX, OU D'AUTRES PRODUITS QUI PRODUISENT LA CHALEUR OU LES FLAMMES NUES. IL DEVRAIT Y AVOIR I NON FUMEURSN UNE SALLE OÙ CET ÉQUIPEMENT SERA ACTIONNÉ OU STOCKÉ.

DESCRIPTION OF PRODUCT LINE

MODEL:	FEATURES:
M3000LC	POWER BACK, POWER LIFT BASE, FOOT CONTROL WITH PROGRAMMING
M3010LC	SYNCHRONIZED BACK AND TOE MOVEMENT, POWER BACK, POWER LIFT BASE, FOOT CONTROL WITH PROGRAMMING
M3000FB	POWER BACK, FIXED HEIGHT BASE, FOOT CONTROL WITH PROGRAMMING
M3010FB	SYNCHRONIZED BACK AND TOE MOVEMENT, POWER BACK, FIXED HEIGHT BASE, FOOT CONTROL WITH PROGRAMMING
M300X	POWER BACK, FIXED HEIGHT BASE, FOOT CONTROL WITH AUTO RETURN
E3010LC	SYNCHRONIZED BACK AND TOE MOVEMENT, POWER BACK, POWER LIFT BASE, FOOT CONTROL WITH PROGRAMMING CHAIR ARMS

STANDARD SAFETY FEATURES - DISPOSITIFS STANDARD DE SÛRETÉ

POWER SUPPLY	CHAIR AND A/C OUTLETS ARE CIRCUIT BREAKER PROTECTED. POWER SUPPLY/ MOTOR CONTROL BOX TRANSFORMER SHUTS DOWN AUTOMATICALLY WHEN MOTOR(S) ARE NOT BEING USED.
ALIMENTATION D'ÉNERGIE	LA CHAISE ET LES SORTIES D'APPAREIL SONT DISJONCTEUR PROTÉGÉ. BOÎTE DE COMMANDE DE MOTEUR D'ALIMENTATION D'ÉNERGIE TRANSFORMATEUR FERME EN BAS D'AUTOMATIQUEMENT QUAND LES MOTEURS NE SONT PAS EN UTILISANT.
FOOT CONTROL	WHEN CHAIR IS MOVING TO ANY PRESET POSITION, IT CAN BE STOPPED IMMEDIATELY BY PRESSING ANY DIRECTIONAL CONTROL BUTTON (I.E. BASE UP, BASE DOWN, ETC.).
COMMANDE DE PIED	QUAND LA CHAISE EN DÉPLACE À LA POSITION PRÉRÉGLÉE, ELLE PEUT SOYEZ ARRÊTÉ IMMÉDIATEMENT EN SERRANT DIRECTIONNEL COMMANDEZ LE BOUTON (C.-À-D. BASE VERS LE HAUT, BASE VERS LE BAS, ETC.).
TOE SAFETY	THE TOE SECTION OF THE M3010LC/M3010FB CHAIR FLOATS. SHOULD AN OBJECT GET UNDER THE TOE SECTION, IT WILL STOP MOVING DOWNWARD AND CAN BE LIFTED UPWARD AT ANYTIME.
SÛRETÉ D'ORTEIL	SECTION D'ORTEIL DE FLOTTEURS DE LA CHAISE M-2010/M-2710. SI L'OBJET OBTIEN NENT SOUS LA SECTION D'ORTEIL, IL CESSERA DE SE DÉPLACER EN BAS ET PEUT ÊTRE SOULEVÉ VERS LE HAUT N'IMPORTE QUAND.

GENERAL PRODUCT INFORMATION

CHASSIS	WELDED STEEL WITH POWDER COATED FINISH	
UPHOLSTERY	STANDARD UPHOLSTERY IS VINYL; UPGRADES ARE AVAILABLE	
MOVEMENTS	LC BASE: VERTICAL COLUMN LIFT - 7.88” (200mm) BACK: ELECTRIC ACTUATOR LEG: (M3010 ONLY) SYNCHRONIZED WITH BACK	
NET WEIGHT	M3000LC CHAIR WITH LIFT BASE: M3010LC CHAIR WITH LIFT BASE:	215lbs (98kg) 225lbs (102kg)
	M3000FB/M300X CHAIR WITH FIXED BASE: M3010FB CHAIR WITH FIXED BASE:	205lbs (93kg) 215lbs (98kg)
ELECTRICAL	24V D.C. LOW VOLTAGE MOTORS MICROPROCESSOR CONTROLLED CHAIR OPERATES AT 24V D.C.	
POWER SUPPLY	115VAC 60HZ 10A OR 230VAC 50HZ 7A CHECK SERIAL TAG, SEE PAGES 17, 18, 19 FOR REQUIRED VOLTAGE	
PROTECTION ELECTRICAL SHOCK	CLASS: I TYPE: B	
LIQUID PROTECTION	ORDINARY EQUIPMENT (IPXO)	
FLAMMABLE GASSES	NOT SUITABLE FOR USE IN THE PRESENCE OF A FLAMMABLE ANESTHETIC MIXTURE WITH AIR, OXYGEN, OR NITROUS OXIDE, WHERE SUCH GASES MAY ACCUMULATE IN CONCENTRATION (CLOSED SPACE)	
OPERATION MODE	INTERMITTENT DUTY: M3000LC, M3010LC, E3010LC 5% 3 MINUTES ON- 60 MINUTES OFF M3000FB, M3010FB, M300X 10% 6 MINUTES ON- 60 MINUTES OFF INDOOR USE ONLY	
OPERATING / TRANSPORTATION TEMPERATURE	5ºC TO 40ºC (41ºF TO 104º F) RELATIVE HUMIDITY: 20% to 90% @ 30ºC- NOT CONDENSING	
STORAGE TEMPERATURE	-10ºC TO 50ºC (14ºF TO 122º F) RELATIVE HUMIDITY: 20% to 90% @ 30ºC- NOT CONDENSING	
WEIGHT CAPACITY	500lbs (228kg) SUBJECT TO NORMAL WEIGHT DISTRIBUTION	

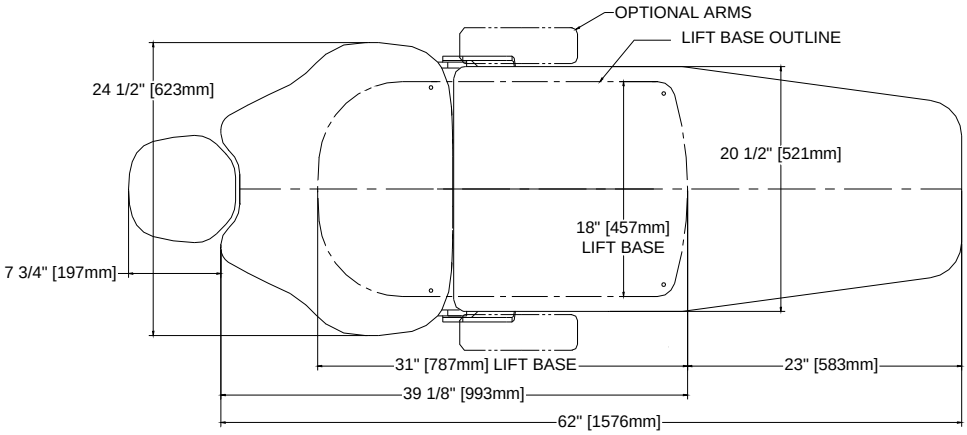
Intertek 46979

NOTE: DO NOT SIT ON BACK, ARMS OR TOE SECTION.
BACK, ARM AND TOE SECTIONS ARE NOT DESIGNED TO SUPPORT FULL WEIGHT OF PATIENT.
DO NOT LIFT CHAIR USING BACK, ARMS OR TOE SECTION.

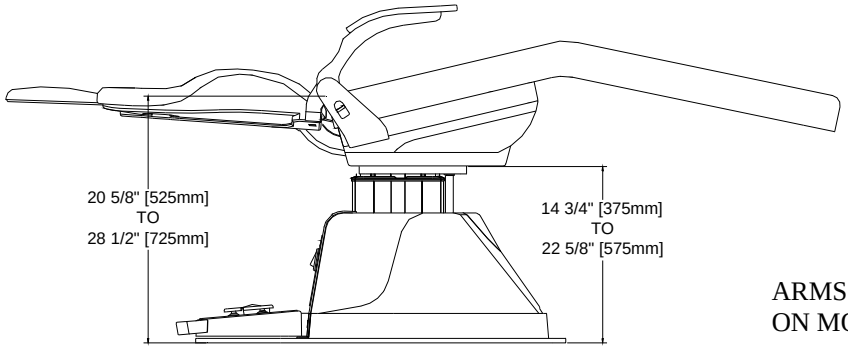
M3000/M3010/M300X ACCESSORIES ARE AVAILABLE FROM BOYD INDUSTRIES, INC.

SEE SALES / ACCESSORY CATALOG FOR APPROVED ACCESSORIES.
VOIR LES VENTES/CATALOGUE ACCESSOIRE POUR LES ACCESSOIRES APPROUVÉS.
NOTE: INSTALLATION OF UNAPPROVED ACCESSORIES WILL VOID WARRANTY AND MAY RENDER CHAIR UNSAFE.
NOTE : L'INSTALLATION DES ACCESSOIRES UNAPPROVED VIDERA LA GARANTIE ET PEUT RENDEZ LA CHAISE PEU SÛRE.

PRODUCT SPECIFICATIONS
M3010LC/M3000LC/E3010LC



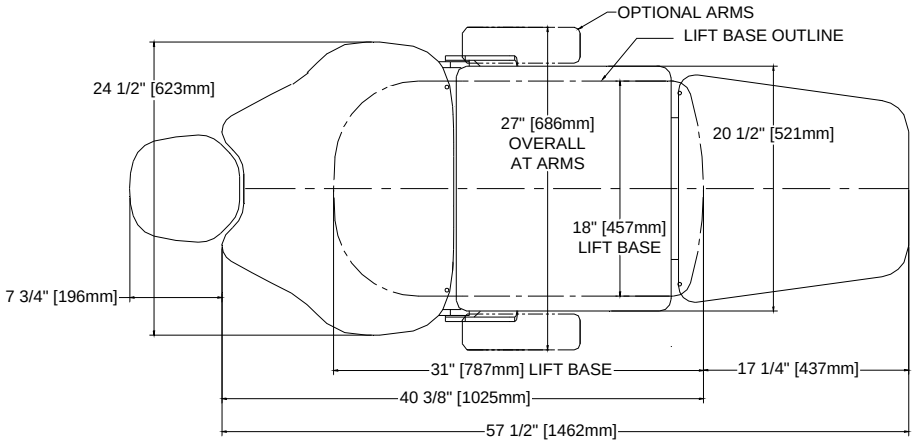
NOTE: HEADREST EXTENDS APPROXIMATELY 6".

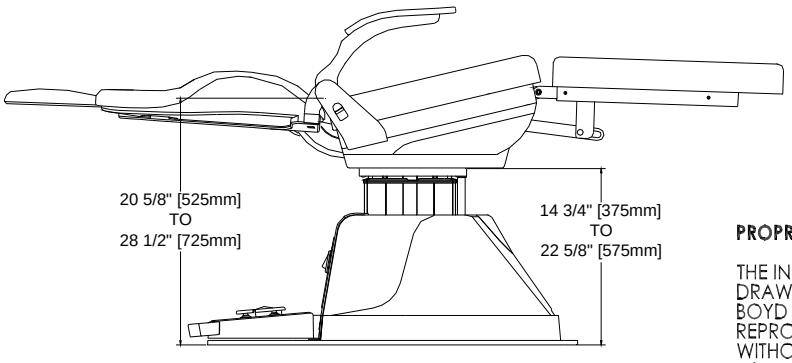


OPTIONAL CHAIR SWIVEL IS INSTALLED BETWEEN CHAIR FRAME & BASE THE CHAIR SWIVEL RAISES THE CHAIR 1-1/4"

ARMS ARE STANDARD ON MODEL E3010LC

M3000LC SPECIFICATIONS





M3010LC, E3010LC SPECIFICATIONS

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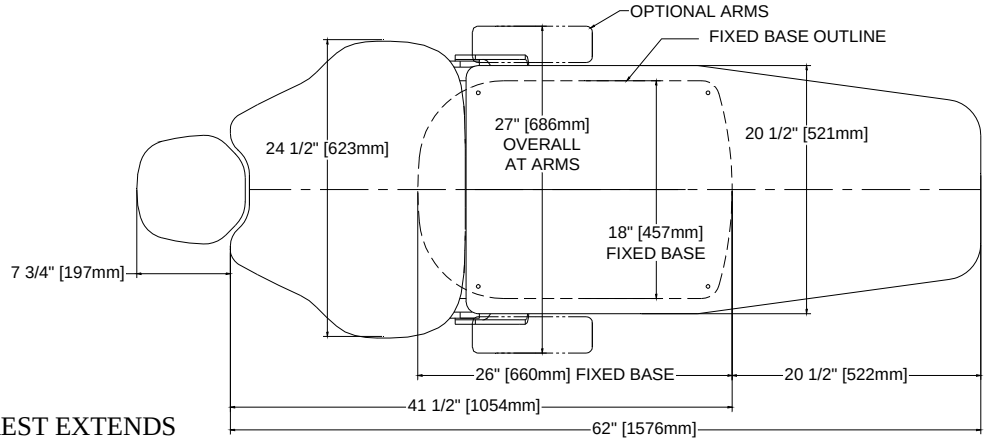
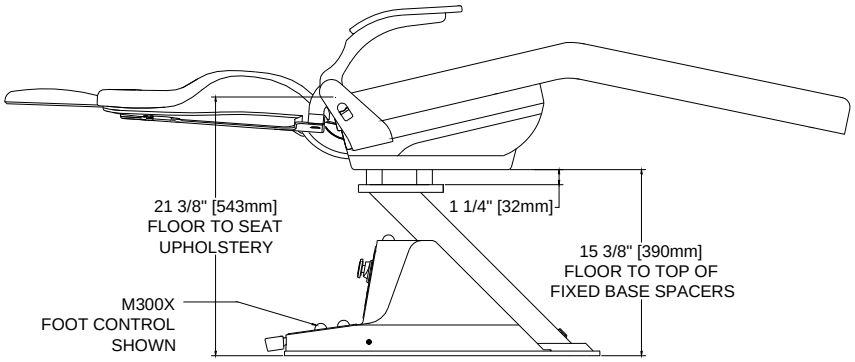
PRODUCT SPECIFICATIONS
M3000FB/M3000FB/M300X

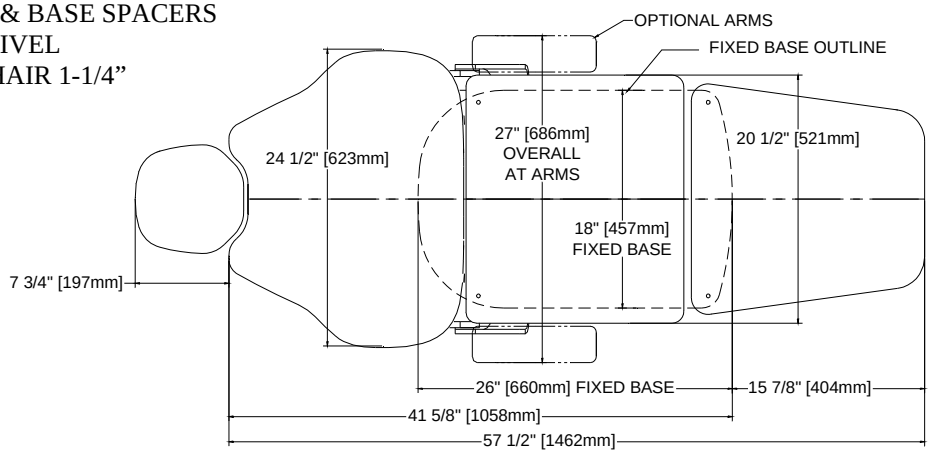


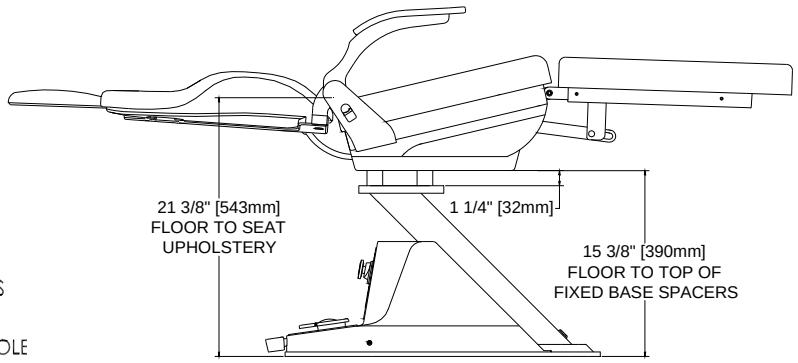
NOTE: HEADREST EXTENDS APPROXIMATELY 6".



M3000FB, M300X SPECIFICATIONS

OPTIONAL CHAIR SWIVEL IS INSTALLED BETWEEN CHAIR FRAME & BASE SPACERS THE CHAIR SWIVEL RAISES THE CHAIR 1-1/4"





M3010FB SPECIFICATIONS

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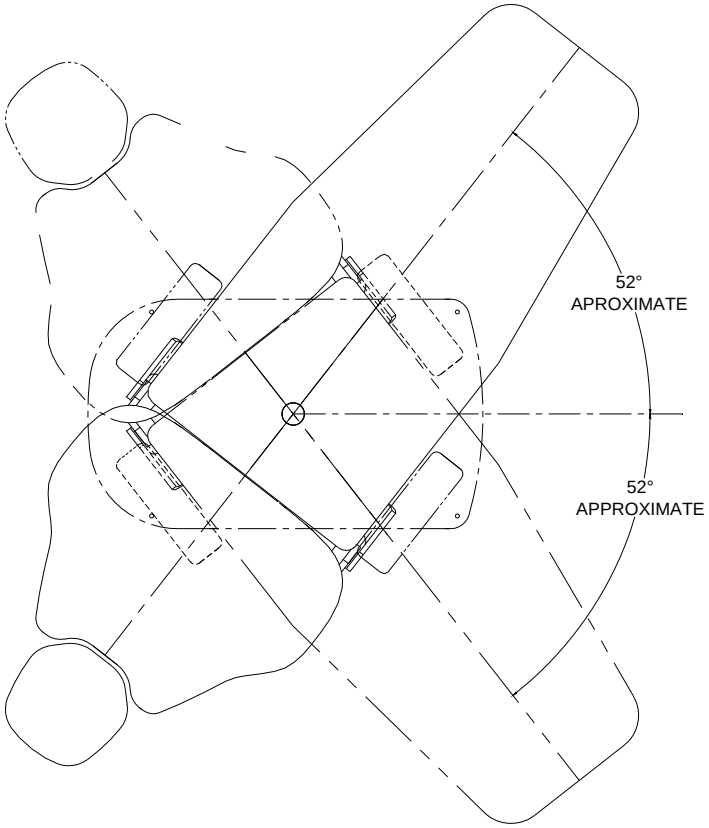
PRODUCT SPECIFICATIONS
CHAIR ROTATION WITH OPTIONAL SWIVEL



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TRANSPORTING OF CHAIR

WHEN TRANSPORTING THE CHAIR:

- Chair base must be in full down position, and the chair back must be in full up position.
- Chair frame must be secured to the chair base.
- Remove the chair power cord.
- Secure or remove dental light and any accessories.
- Lock chair swivel (if present).
- Lift chair only from below seat section. Do not use back or toe sections to lift or move chair.
- Chair should be secured to transporting vehicle.

DISPOSAL OF EQUIPMENT

DISPOSAL OF BOYD EQUIPMENT:

Boyd chair and equipment removed from service should be disposed of in accordance with local regulatory requirements. Circuit boards and electrical cabling should be recycled as electrical salvage. Plastic parts should be recycled accordingly. Any material unsuitable for recycling should be disposed of appropriately.

UNPACKING

PRE ASSEMBLY CHECK — UNPACK SHIPPING CARTONS CAREFULLY AND CHECK TO SEE THAT ALL PARTS ARE RECEIVED AND HAVE NOT BEEN DAMAGED DURING SHIPPING.

CAUTION: CHAIR SHOULD BE LIFTED FROM BELOW MAIN SEAT FRAME. DO NOT AT ANYTIME MOVE CHAIR BY LIFTING ON BACK, TOE SECTION, OR ARMS.

Président doit être levé par CI-DESSOUS CADRE siege principal. NE PAS à tout moment MOVE PRÉSIDENCE en soulevant sur le dos, SECTION TOE, ou les bras.

CONTENTS:

COMPLETE CHAIR:	CHAIR AND BASE ASSEMBLED, WITH UPHOLSTERY HEADREST FOUR ANCHORS (FOR FLOOR) ACCESSORIES (I.E. ARMS, LIGHTPOST, ETC.) OWNER'S / OPERATOR'S MANUAL
BASE ONLY:	BASE FOUR ANCHORS (FOR FLOOR) A/C EXTENSION CABLE BACK MOTOR EXTENSION CABLE OWNER'S / OPERATOR'S MANUAL
CHAIR TOP:	CHAIR TOP HEADREST HARDWARE FOR ATTACHING CHAIR TOP TO BASE. ACCESSORIES (I.E. ARMS, LIGHTPOST, ETC.)

(NOTE: ACCESSORIES MAY BE PACKAGED SEPARATELY)

POWER REQUIREMENTS

CHECK CHAIR IDENTIFICATION LABEL LOCATED ON ELECTRICAL PANEL FOR REQUIRED VOLTAGE SPECIFICATIONS. CONNECT CHAIR TO HOSPITAL GRADE RECEPTACLE ONLY.
Vérifier l'étiquette d'IDENTIFICATION PRÉSIDENCE situés sur le panneau ELECTRIQUE POUR SPECIFICATIONS Tension requise. PRÉSIDENCE CONNECT à l'hôpital RECEPTACLE seule qualité.

115 VOLT MODELS
115-120 VAC ~ 60 Hz
10 AMP

230 VOLT MODELS
220-240 VAC ~ 50 Hz
7 AMP
(AUSTRALIA)
230-240 VAC ~ 50Hz
7 AMP

INSTALLATION INSTRUCTIONS
MODELS: M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC

LOCATION: LIFE SIZE TEMPLATES ARE AVAILABLE UPON REQUEST FOR LAYING OUT LOCATION OF CHAIR AND UTILITIES (IF REQUIRED) PRIOR TO ACTUAL INSTALLATION.

NOTE: BASE MUST BE ANCHORED TO FLOOR. FAILURE TO DO SO MAY RESULT IN SERIOUS BODILY INJURY TO OPERATOR AND/OR PATIENT AND COULD CAUSE UNWARRANTED PRODUCT DAMAGE. CHAIRS NOT PROPERLY ANCHORED DO NOT MEET WARRANTY REQUIREMENTS.

CHAIRS MAY BE SHIPPED COMPLETELY ASSEMBLED OR IN TWO PIECES.

IF YOUR CHAIR HAS BEEN SHIPPED IN TWO PARTS, SEE SECTION ENTITLED "CHAIR ASSEMBLY AT INSTALLATION."

IF YOUR CHAIR HAS BEEN SHIPPED COMPLETELY ASSEMBLED, CONTINUE BELOW.

1) POSITION CHAIR AS DESIRED. DRILL HOLES IN FLOOR THROUGH MOUNTING HOLES. * ANCHOR BASE TO FLOOR WITH FOUR ANCHORS & SCREWS PROVIDED.
2) MAKE UTILITY CONNECTIONS IN FLOOR IN FRONT OF BASE (IF REQUIRED).
3) INSURE ALL SAFETY COVERS ARE IN PLACE AND REMOVABLE UPHOLSTERY IS SECURE. SHIFTING MAY HAVE OCCURRED DURING HANDLING OR SHIPPING.

4) PLUG CHAIR INTO REQUIRED VOLTAGE OUTLET. REFER TO CHAIR IDENTIFICATION LABEL (LOCATED ON THE ELECTRICAL PANEL) FOR PROPER CHAIR VOLTAGE REQUIREMENT.
   NOTE: CHAIR SHOULD BE PLUGGED INTO HOSPITAL GRADE GROUNDED RECEPTACLE ONLY.

PLUG PRÉSIDENCE dans la prise de la tension. Consulter l'étiquette IDENTIFICATION PRÉSIDENCE (situé sur le panneau électrique) pour la condition PRÉSIDENCE tension appropriée.
NOTE: chaise doit être branché à l'hôpital GRADE RECEPTACLE terre.

5) TURN MAIN POWER SWITCH (C1) ON. (LOCATED ON THE ELECTRICAL PANEL)
6) PERFORM SAFETY AND OPERATIONAL CHECK.
7) IF CHAIR DOES NOT OPERATE CORRECTLY, SEE THE "TROUBLE SHOOTING" SECTION OF THIS MANUAL.
8) WHEN CHAIR IS OPERATING CORRECTLY, TURN POWER OFF (C1) UNTIL CHAIR IS TO BE USED.
9) FOR UPHOLSTERY REMOVAL & INSTALLATION; REFER TO APPROPRIATE SECTION

* DO NOT DRILL THRU CARPETING; CUT AWAY CARPETING AT ANCHOR HOLE LOCATIONS.

CHAIR ASSEMBLY AT INSTALLATION
Models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC
USE IF YOUR CHAIR HAS BEEN SHIPPED IN TWO PARTS.

LOCATION: LIFE SIZE TEMPLATES ARE AVAILABLE UPON REQUEST FOR LAYING OUT LOCATION OF CHAIR AND UTILITIES (IF REQUIRED) PRIOR TO ACTUAL INSTALLATION.

NOTE: BASE MUST BE ANCHORED TO FLOOR. FAILURE TO DO SO MAY RESULT IN SERIOUS BODILY INJURY TO OPERATOR AND/OR PATIENT AND COULD CAUSE UNWARRANTED PRODUCT DAMAGE. CHAIRS NOT PROPERLY ANCHORED DO NOT MEET WARRANTY REQUIREMENTS.

1) POSITION BASE AS DESIRED. DRILL HOLES IN FLOOR THROUGH MOUNTING HOLES.* ANCHOR BASE TO FLOOR WITH FOUR ANCHORS PROVIDED.
2) MAKE UTILITY CONNECTIONS IN FLOOR IN FRONT OF BASE (IF REQUIRED).
3) MOVE CHAIR TOP INTO POSITION BESIDE BASE ON FLOOR. INSURE THAT THE CHAIR TOP IS FACING THE CORRECT DIRECTION (HEADREST TOWARD FOOT CONTROLS.)
4) REMOVE SEAT UPHOLSTERY FROM CHAIR TOP AND PLACE SOMEWHERE THAT IT WILL NOT BE IN THE WAY OR BE DAMAGED.
TO REMOVE THE SEAT, LIFT SEAT CUSHION UP ABOUT 4 INCHES AT THE KNEE BREAK AREA AND THEN SLIDE IT TOWARDS THE TOE END OF THE CHAIR.

5) WITH TWO PEOPLE, ONE ON EACH SIDE, LIFT THE CHAIR TOP FROM UNDERNEATH SIDES OF SEAT FRAME ONTO THE CHAIR MOUNTING SURFACE OF THE BASE.
NOTE: DO NOT USE BACK/FOOT SECTIONS OR ARM RESTS TO LIFT OR MOVE CHAIR.
NOTE: NE PAS UTILISER BACK / SECTIONS PIED OU ACCOUDOIRS pour soulever ou dépla cer PRÉSIDENCE.
6) ALIGN THE LARGE HOLE IN SEAT MOUNT PLATE WITH THE LARGE HOLE ON THE MOUNTING SURFACE OF THE BASE. FEED MOTOR CABLE THROUGH THE LARGE HOLE AND INTO THE SEAT CAVITY.
7) ONCE THE CHAIR TOP IS IN PLACE, ONE PERSON SHOULD STABILIZE THE CHAIR WHILE THE OTHER USES THE HARDWARE PROVIDED TO MOUNT THE CHAIR TOP TO THE BASE.

8) PLUG MOTOR INTO MOTOR EXTENSION CABLE . ATTACH A/C OUTLET CABLE TO THE A/C OUTLET CONNECTOR.
NOTE: INSURE CORDS ARE ROUTED SO THAT THEY DO NOT INTERFERE WITH ANY MOVING PARTS
NOTE : ASSUREZ LES CORDES SONT CONDUITS DE SORTE QU'ELLES PAS INTERFÉREZ TOUTES LES PIÈCES MOBILES
9) RE-SECURE THE SEAT UPHOLSTERY TO THE CHAIR TOP.
10) INSURE ALL SAFETY COVERS ARE IN PLACE AND REMOVABLE UPHOLSTERY IS SECURE. SHIFTING MAY HAVE OCCURRED DURING HANDLING OR SHIPPING.

11) PLUG CHAIR INTO REQUIRED VOLTAGE OUTLET. REFER TO CHAIR IDENTIFICATION LABEL (LOCATED ON THE ELECTRICAL PANEL) FOR PROPER CHAIR VOLTAGE REQUIREMENT.
12) TURN MAIN POWER SWITCH (C1) ON. (LOCATED ON ELECTRICAL CONTROL PANEL.)
NOTE: CHAIR SHOULD BE PLUGGED INTO HOSPITAL GRADE GROUNDED RECEPTACLE ONLY.
NOTE : LA CHAISE DEVRAIT ÊTRE BRANCHÉE AU RÉCEPTACLE FONDÉ PAR CATÉGORIE D'HÔPITAL SEULEMENT.
13) PERFORM SAFETY AND OPERATIONAL CHECK.
14) IF CHAIR DOES NOT OPERATE CORRECTLY, SEE THE "TROUBLE SHOOTING" SECTION OF THIS MANUAL.
15) WHEN CHAIR IS OPERATING CORRECTLY, TURN POWER OFF (C1) UNTIL CHAIR IS TO BE USED.

* DO NOT DRILL THRU CARPETING; CUT AWAY CARPETING AT ANCHOR HOLE LOCATIONS.

OPERATING YOUR M3000 SERIES CHAIR

INITIALIZING CHAIR MOTORS:

AFTER INSTALLATION, RUN BACK DOWN COMPLETELY AND CHAIR UP COMPLETELY. RETURN CHAIR TO THE "HOME" POSITION USING THE "HOME" FUNCTION. THIS COMPLETES INITIALIZATION.

PROGRAMMING INSTRUCTIONS:

1) READ THESE INSTRUCTIONS COMPLETELY BEFORE YOU BEGIN PROGRAMMING.

2) USING THE CHAIR UP AND DOWN AND/OR BACK UP AND DOWN CONTROLS, POSITION THE CHAIR AS DESIRED.

3) WAIT AT LEAST THREE (3) SECONDS THEN:
PUSH AND HOLD THE SAVE BUTTON FOR 4 SECONDS, (SYSTEM WILL ISSUE A CONFIRMATION BEEP). WITHIN 2 ADDITIONAL SECONDS,
DEPRESS THE BUTTON OF THE DESIRED POSITION (I.E. "1","2","3") (SYSTEM WILL ISSUE A SECOND CONFIRMATION BEEP)
THIS WILL AUTOMATICALLY REPLACE ANY PRE-PROGRAMMED POSITION.

4) REPOSITION CHAIR AND RECALL THAT POSITION TO INSURE THAT IT HAS BEEN PROGRAMMED CORRECTLY.

5) REPEAT STEPS 2, 3, AND 4 UNTIL ALL DESIRED POSITIONS ARE PROGRAMMED. YOU CAN SAVE UP TO 3 POSITIONS.

6) AUTO RETURN IS A PRESET POSITION AND CANNOT BE CHANGED.

THE PROGRAMMED POSITIONS CAN BE ATTAINED AT ANYTIME AND FROM ANY POSITION.

GENERAL OPERATING INSTRUCTIONS:

1) SEE FOLLOWING PAGES OF THIS SECTION FOR SYMBOLS AND THEIR DEFINITIONS.

2) WHILE SAFETY FEATURES (PREVIOUSLY COVERED) HAVE BEEN DESIGNED, IT IS STILL GOOD PRACTICE TO BE AWARE AND WATCH FOR OBSTRUCTIONS WHILE OPERATING CHAIR. NEVER AT ANY TIME ALLOW SMALL CHILDREN OR ANIMALS TO PLAY ON, AROUND, OR UNDERNEATH CHAIR OR BASE WHETHER DURING OPERATION OR WHILE CHAIR IS IDLE.

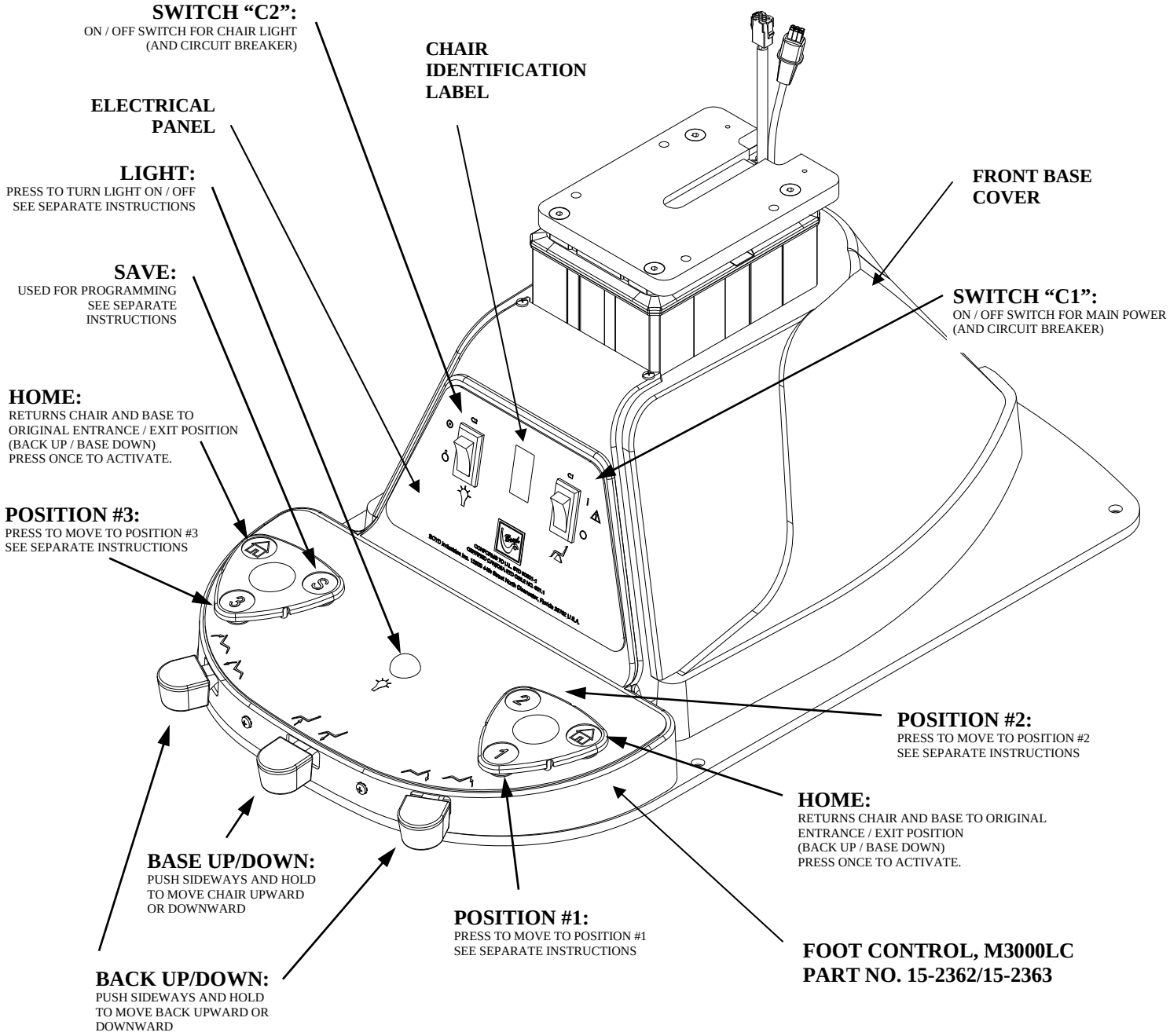
3) CHAIR SHOULD BE TURNED OFF ANY TIME IT IS NOT BEING USED.

4) IF THERE IS AN OBVIOUS OBSTRUCTION THAT MAY HINDER NORMAL MOVEMENT OF CHAIR OR PARTS OF THE CHAIR, TURN OFF THE MAIN CIRCUIT BREAKER.

5) DO NOT USE ANY AUTOMATIC FUNCTIONS WHEN LEGS OR ANY PART OF YOUR BODY ARE UNDER ANY PART OF THE CHAIR. POSITION CHAIR FIRST.

FOOT CONTROL M3000LC/M3010LC
P/N 15-2362 115V. P/N 15-2363 230V.
REF. DRAWING B-5980

NOTE: CHAIR MOVEMENT CAN BE STOPPED BY DEPRESSING ANY DIRECTIONAL CONTROL (I.E. BACK UP / BACK DOWN, BASE UP / BASE DOWN, OR ANY PROGRAMMED POSITION).


SWITCH "C2":
ON / OFF SWITCH FOR CHAIR LIGHT (AND CIRCUIT BREAKER)
CHAIR IDENTIFICATION LABEL
ELECTRICAL PANEL
LIGHT:
PRESS TO TURN LIGHT ON / OFF SEE SEPARATE INSTRUCTIONS
FRONT BASE COVER
SAVE:
USED FOR PROGRAMMING SEE SEPARATE INSTRUCTIONS
SWITCH "C1":
ON / OFF SWITCH FOR MAIN POWER (AND CIRCUIT BREAKER)
HOME:
RETURNS CHAIR AND BASE TO ORIGINAL ENTRANCE / EXIT POSITION (BACK UP / BASE DOWN) PRESS ONCE TO ACTIVATE.
POSITION #3:
PRESS TO MOVE TO POSITION #3 SEE SEPARATE INSTRUCTIONS
POSITION #2:
PRESS TO MOVE TO POSITION #2 SEE SEPARATE INSTRUCTIONS
HOME:
RETURNS CHAIR AND BASE TO ORIGINAL ENTRANCE / EXIT POSITION (BACK UP / BASE DOWN) PRESS ONCE TO ACTIVATE.
BASE UP/DOWN:
PUSH SIDEWAYS AND HOLD TO MOVE CHAIR UPWARD OR DOWNWARD
POSITION #1:
PRESS TO MOVE TO POSITION #1 SEE SEPARATE INSTRUCTIONS
FOOT CONTROL, M3000LC
PART NO. 15-2362/15-2363
BACK UP/DOWN:
PUSH SIDEWAYS AND HOLD TO MOVE BACK UPWARD OR DOWNWARD

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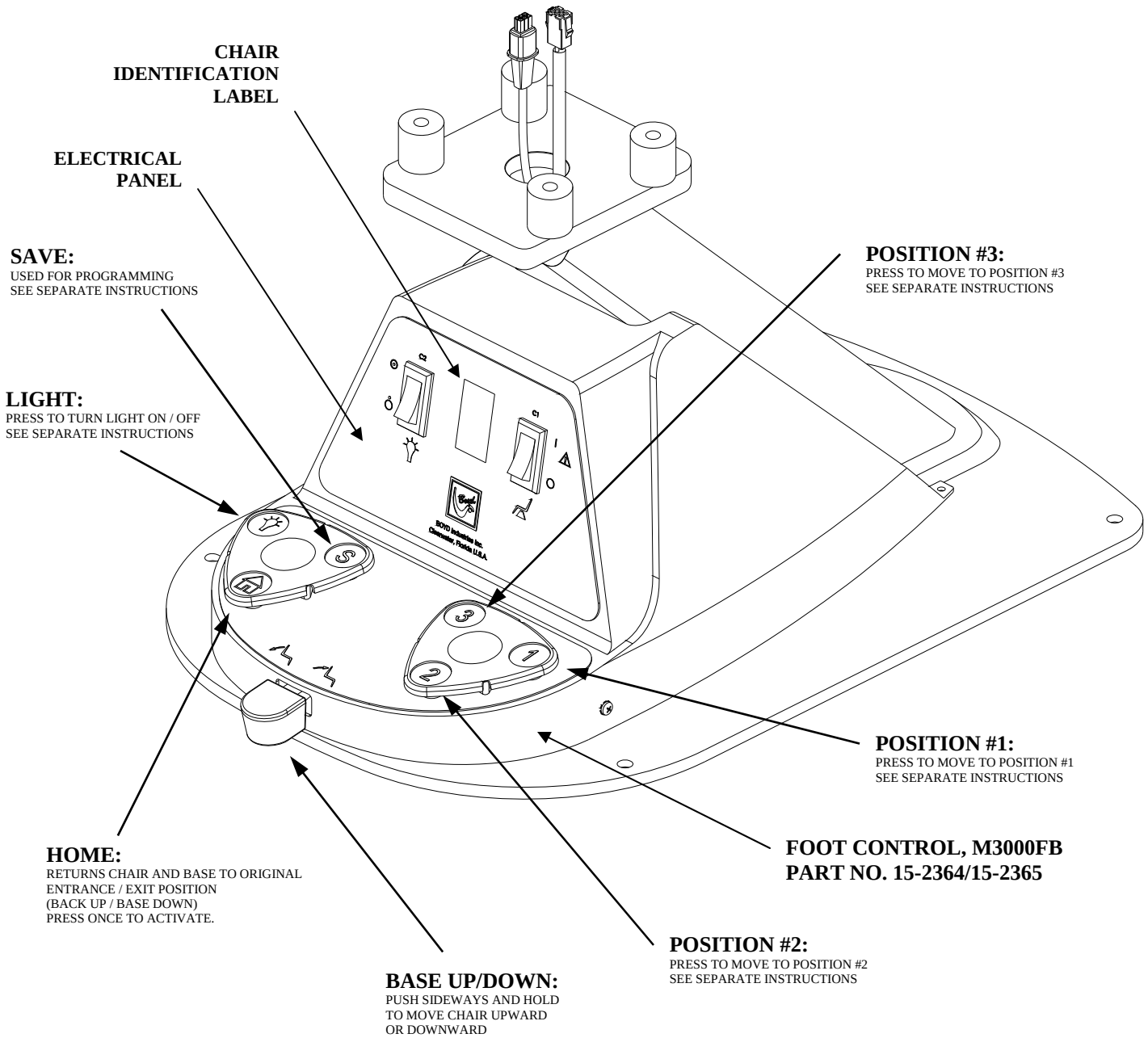
FOOT CONTROL M3000FB/M3010FB
P/N 15-2364 115V. P/N 15-2365 230V.
REF. DRAWING B-5981

NOTE: CHAIR MOVEMENT CAN BE STOPPED BY DEPRESSING ANY DIRECTIONAL CONTROL (I.E. BACK UP / BACK DOWN, OR ANY PROGRAMMED POSITION).



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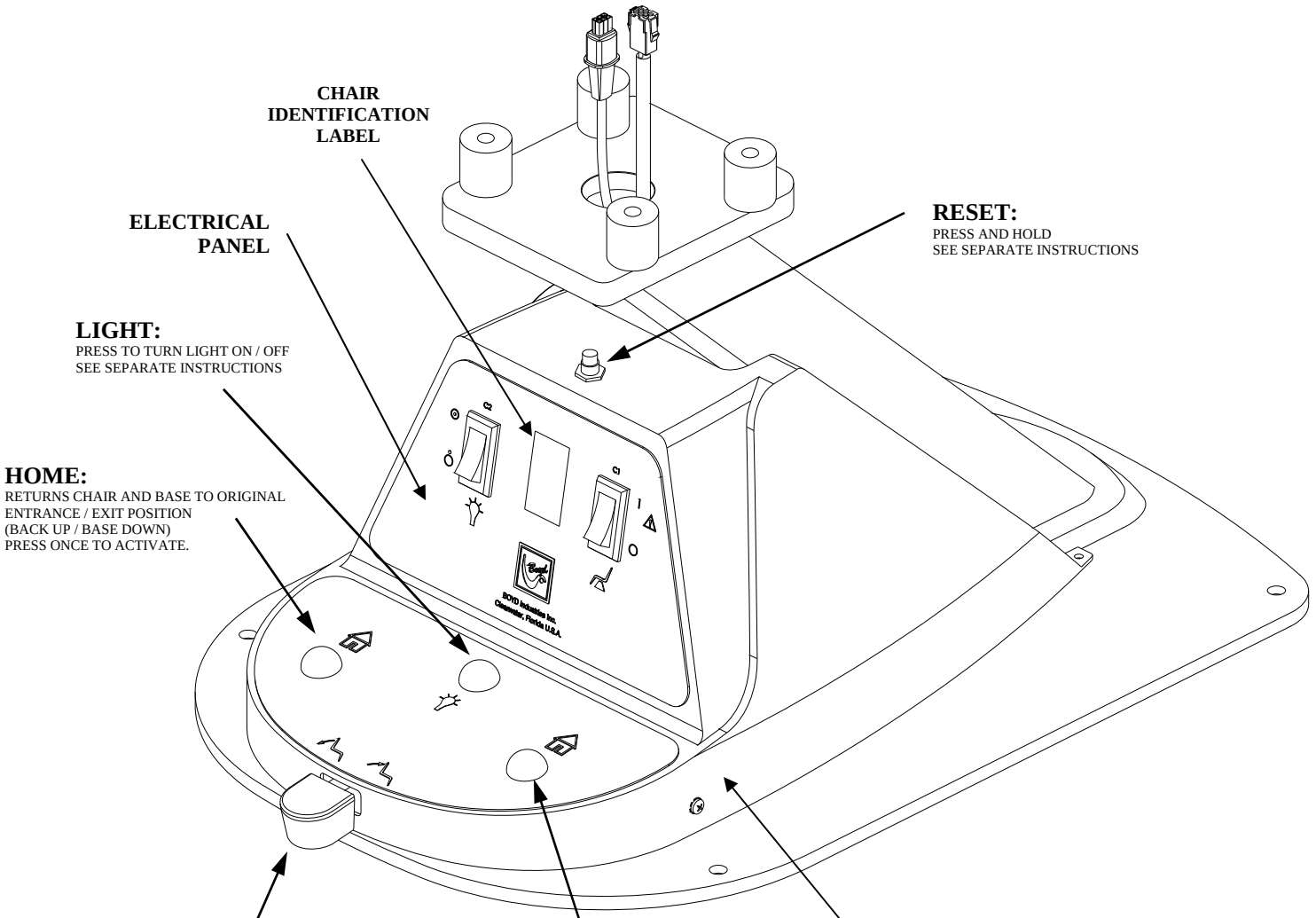
FOOT CONTROL M300X
P/N 15-2366 115V. P/N 15-2367 230V.
REF. DRAWING B-5982

NOTE: CHAIR MOVEMENT CAN BE STOPPED BY DEPRESSING ANY DIRECTIONAL CONTROL (I.E. BACK UP / BACK DOWN, OR HOME POSITION).


CHAIR IDENTIFICATION LABEL
ELECTRICAL PANEL
RESET:
PRESS AND HOLD
SEE SEPARATE INSTRUCTIONS
LIGHT:
PRESS TO TURN LIGHT ON / OFF
SEE SEPARATE INSTRUCTIONS
HOME:
RETURNS CHAIR AND BASE TO ORIGINAL ENTRANCE / EXIT POSITION (BACK UP / BASE DOWN)
PRESS ONCE TO ACTIVATE.
BASE UP/DOWN:
PUSH SIDEWAYS AND HOLD TO MOVE CHAIR UPWARD OR DOWNWARD
HOME:
RETURNS CHAIR AND BASE TO ORIGINAL ENTRANCE / EXIT POSITION (BACK UP / BASE DOWN)
PRESS ONCE TO ACTIVATE.
FOOT CONTROL, M300X
PART NO. 15-2366/15-2367

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HEADREST RELEASE
(ALL MODELS)

HEADREST HEIGHT ADJUSTMENT:

TO LOWER OR RAISE THE HEADREST; SUPPORT THE HEADREST WITH ONE HAND AND PUSH THE RELEASE LEVER DOWN WITH THE OTHER.
LOWER OR RAISE THE HEADREST TO DESIRED HEIGHT.
RELEASE THE LEVER.
THE HEADREST BAR WILL LOCK IN DESIRED POSITION.

CAUTION:

IT IS RECOMMENDED THAT THE HEADREST HEIGHT IS ADJUSTED BEFORE LOWERING THE CHAIR BACK.
IL EST RECOMMANDÉ QUE LA TÊTE DE LA HAUTEUR est ajustée avant d'abaisser le dossier du fauteuil.

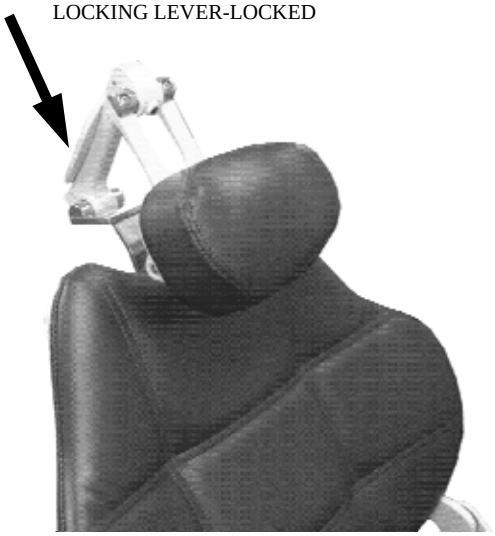
WHEN HEADREST ADJUSTMENT IS NECESSARY WITH PATIENT SEATED, BE SURE TO SUPPORT THE PATIENT'S HEAD AND NECK AT ALL TIMES WHILE ADJUSTMENT IS BEING DONE.
QUAND TÊTE AVEC ajustement est nécessaire patient assis, Veillez à soutenir la tête du patient et le cou en tout temps REGLAGE est fait.

HEADREST OPERATION- PH69 MODEL

HEADREST ARTICULATION ADJUSTMENT:

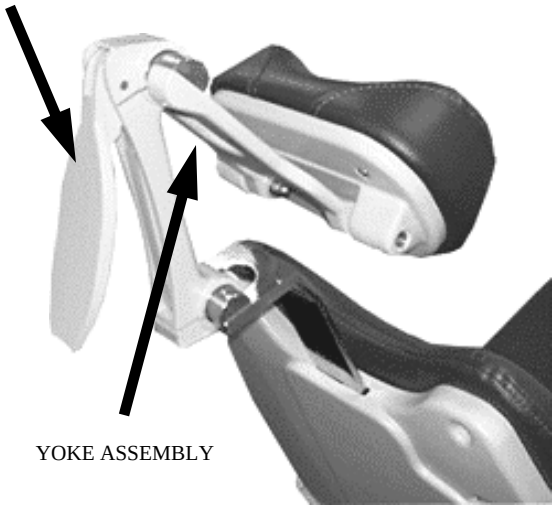
FLIP LOCKING LEVER AWAY FROM YOKE ASSEMBLY TO ALLOW HEADREST ARTICULATION.
POSITION HEADREST PILLOW TO DESIRED LOCATION.
TO LOCK IN POSITION, PUSH LEVER BACK TO ORIGINAL LOCKING POSITION.
IT IS PREFERRED THAT THE HEADREST SHOULD BE ADJUSTED BEFORE SEATING PATIENT.
SUPPORT PATIENT'S HEAD WHILE MAKING ANY HEADREST ADJUSTMENTS.

LOCKING LEVER-LOCKED



HEADREST DROPS OVER BACK OF CHAIR
TO ACCOMMODATE SHORTER PATIENTS.

LOCKING LEVER-UNLOCKED



YOKE ASSEMBLY

HEADREST FLEXES AND LOCKS IN BACK
OR FORWARD POSITION.

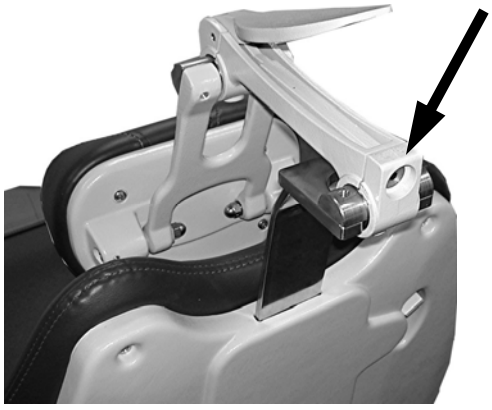
LOCKED TENSION ADJUSTMENT

1. RAISE THE LOCKING LEVER TO RELEASE TENSION.
2. TURN TENSION BAR SCREW 1/8 TURN CLOCKWISE TO INCREASE TENSION USING A 3/16" ALLEN WRENCH.
3. PUSH THE LOCKING LEVER IN AND CHECK FOR DESIRED TENSION.
4. REPEAT STEPS 1-3 UNTIL DESIRED SETTING IS OBTAINED.

RELEASED TENSION ADJUSTMENTS

EACH END OF THE HEADREST CAN BE INDEPENDENTLY ADJUSTED FOR TENSION WHEN RELEASED.
USE A 3/16" ALLEN WRENCH AND TURN TENSION PIN SCREW CLOCKWISE TO INCREASE TENSION AND COUNTERCLOCKWISE TO DECREASE TENSION.

TENSION BAR SCREW



TENSION PIN SCREWS

HEADREST OPERATION– AH300/AH307/AH317 MODELS

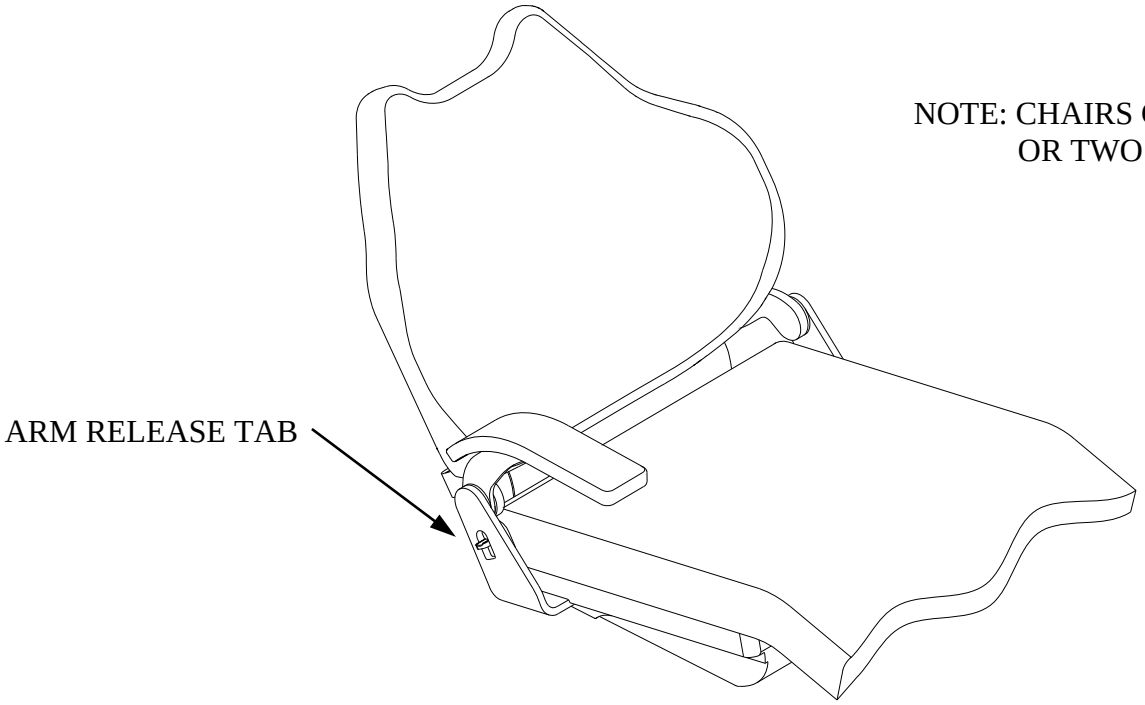
HEADREST ARTICULATION ADJUSTMENT:

TO ANGLE HEADREST FRONTWARD-
ROTATE HEADREST FORWARD TO DESIRED POSITION.
IT IS NOT NECESSARY TO UNLOCK THE MECHANISM.

TO ANGLE HEADREST REARWARD-
PUSH LEVER TOWARD FRONT OF CHAIR TO UNLOCK,
ROTATE HEADREST BACKWARDS TO DESIRED POSITION
AND RELEASE LEVER.

NOTE: IT IS PREFERRED THAT HEADRESTS BE ADJUSTED BEFORE SEATING PATIENT
SUPPORT PATIENT'S HEAD AT ALL TIMES WHILE MAKING ANY HEADREST ADJUSTMENTS

PATIENT ARM: RELEASING AND LOCKING



PATIENT ARMS HAVE BEEN DESIGNED TO DROP FORWARD AND OUT OF THE WAY FOR EASIER PATIENT ENTRY OR EXIT.
TO LOWER THE ARM; SUPPORT THE ARM AT FRONT. DEPRESS THE FINGER TAB AND LOWER THE ARM.
THE ARM HAS NO ADJUSTMENTS, IT IS EITHER LOCKED AT FULL UP POSITION OR IT IS AT FULL DOWN POSITION.

TO RAISE THE ARM: RAISE ARM FULLY -THE ARM AUTOMATICALLY LOCKS IN THE UPRIGHT POSITION WHEN ROTATED TO THE FULL UPRIGHT POSITION.
IT IS NOT NECESSARY TO DEPRESS THE ARM RELEASE TAB.

CAUTION:

DO NOT SIT ON ARMS OR USE THEM TO LIFT OR MOVE CHAIR.
DOING SO MAY CAUSE DAMAGE TO PRODUCT AND/OR BODILY INJURY.
Ne pas s'asseoir sur les armes ou les utiliser pour soulever ou déplacer PRÉSIDENCE.
Cela peut causer des dommages au produit et / ou des blessures corporelles.

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CLEANING

IT IS RECOMMENDED THAT THE CHAIR AND EQUIPMENT BE THOROUGHLY CLEANED AND DISINFECTED AFTER EACH PATIENT. USE ONLY CLEANERS AND DISINFECTANTS APPROVED FOR CLEANING VINYL. DO NOT USE STRONG OR HARSH CLEANERS SUCH AS: 409, OR MR. CLEAN. THEY WILL CAUSE THE VINYL COLOR TO FADE. APPLY THE CLEANER TO A TOWEL, NOT DIRECTLY TO THE VINYL. A SPECIALLY FORMULATED VINYL CONDITIONER IS AVAILABLE FROM BOYD INDUSTRIES, INCORPORATED. REFER TO VINYL MANUFACTURER'S DATA FOR SPECIFIC CLEANING INSTRUCTIONS.

INFECTION CONTROL

ALL ESTABLISHED INFECTION CONTROL POLICIES SHOULD BE FOLLOWED. ALL WORK SURFACES AND PATIENT CONTACT SURFACES SHOULD BE DISINFECTED BETWEEN PATIENTS AND AT THE END OF THE DAY USING A PRODUCT THAT IS EPA REGISTERED AS 'HOSPITAL DISINFECTANT' AND LABELED FOR 'TUBERCULOCIDAL' ACTIVITY. TWO SUCH PRODUCTS ARE:
TRI-CIDE (800)342-3096
MEDOCADCIO (800)777-7072

TECHNICAL SERVICE

FOR PARTS, SERVICE, OR TECHNICAL INFORMATION CONTACT:

USA / CANADA:

Boyd Industries, Inc.
12900 44th Street North
Clearwater, Florida USA 33762
tel: 1-727-561-9292
1-800-255-2693
fax: 1-727-573-1682

CANADA:

Dentaplus Inc.
630 PONCE DE LEON
Boucherville, QC
tel: 1-450-655-8963
fax: 1-450-655-0711

SPAIN / EUROPE

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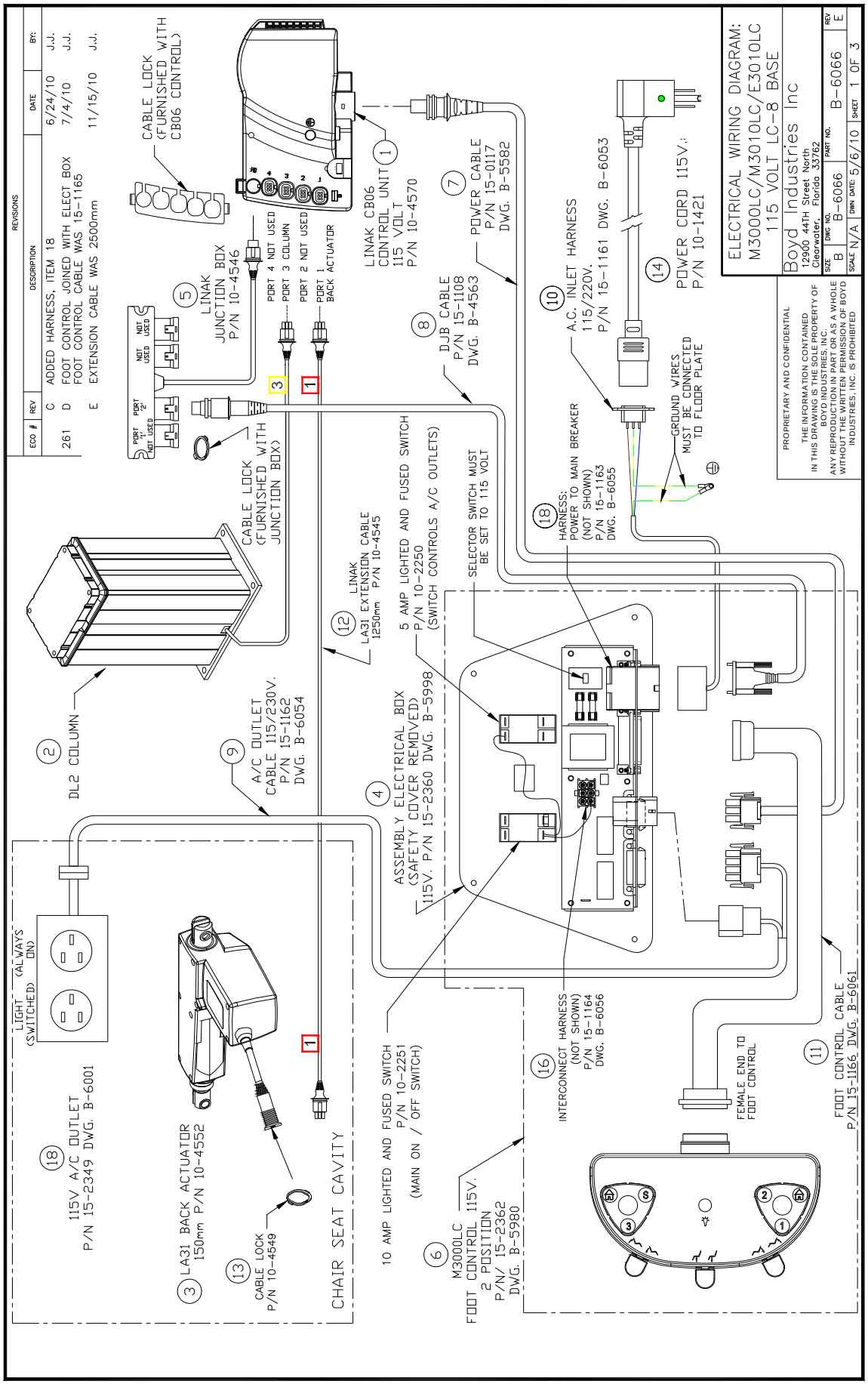
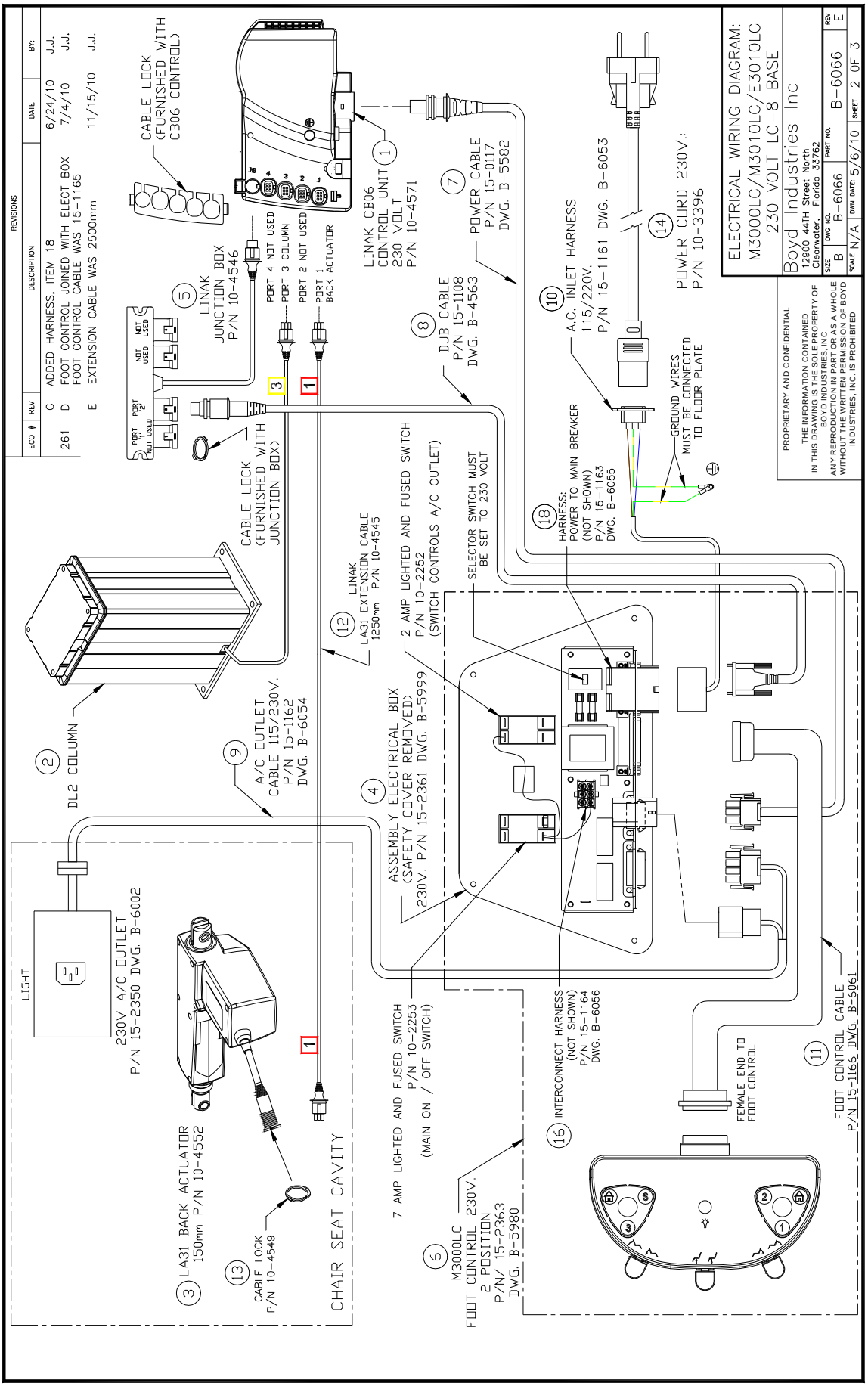
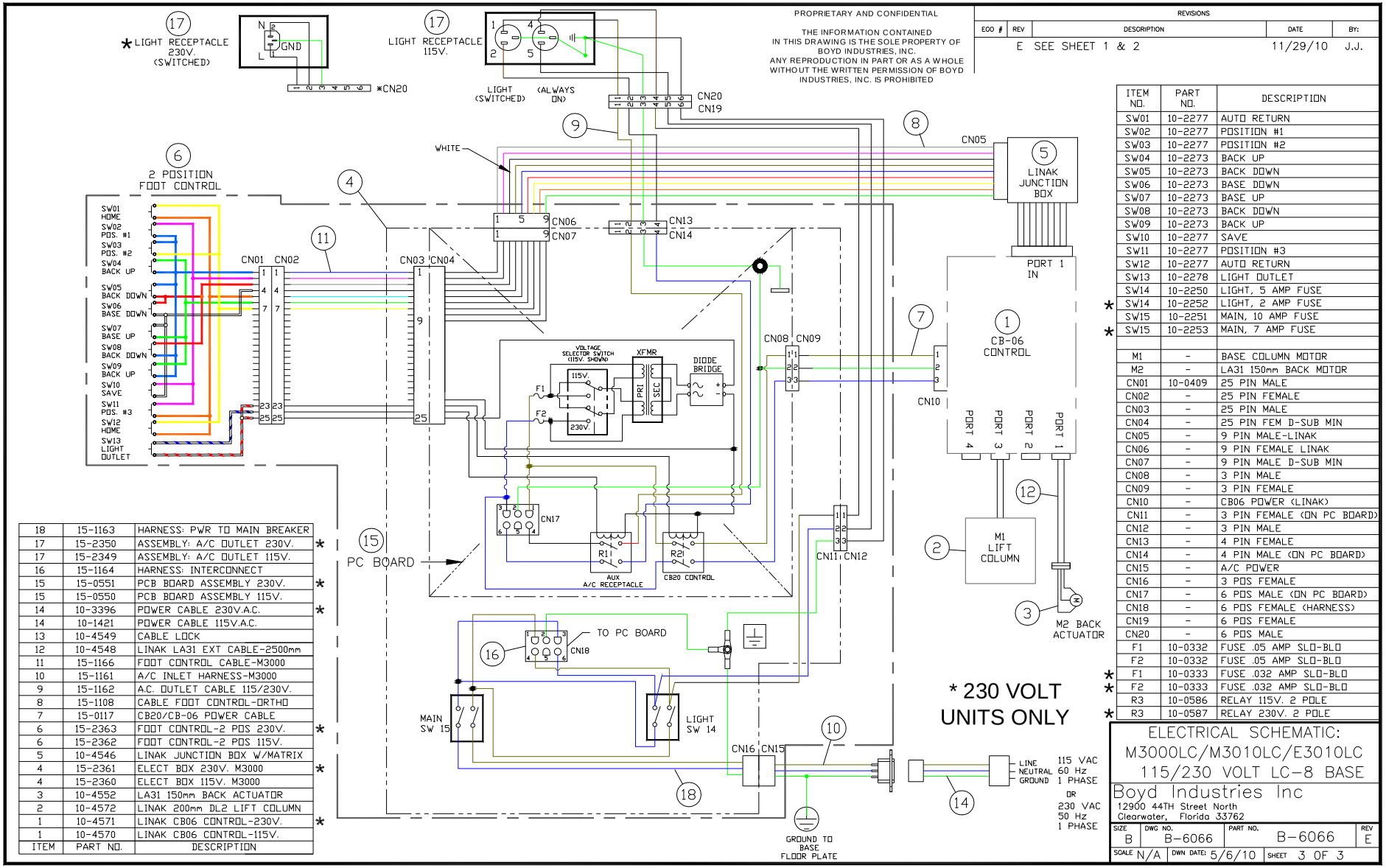
Madrid, Spain
011-34-689-46321


ELECTRICAL WIRING DIAGRAM:
M3000LC/M3010LC/E3010LC
115 VOLT LC-8 BASE
Boyd Industries Inc
12900 44TH Street North
Clearwater, Florida 33762
REVISIONS
ECO # REV DESCRIPTION DATE BY:
C ADDED HARNESS, ITEM 18 6/24/10 J.J.
261 D FOOT CONTROL JOINED WITH ELECT BOX 7/4/10 J.J.
FOOT CONTROL CABLE WAS 15-1165
E EXTENSION CABLE WAS 2500mm 11/15/10 J.J.
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED
IN THIS DRAWING IS THE SOLE PROPERTY OF
BOYD INDUSTRIES, INC.
ANY REPRODUCTION IN PART OR AS A WHOLE
WITHOUT THE WRITTEN PERMISSION OF BOYD
INDUSTRIES, INC. IS PROHIBITED
SIZE B DWG NO. B-6066 PART NO. B-6066 REV E
SCALE N/A DWN DATE 5/6/10 SHEET 1 OF 3
CABLE LOCK (FURNISHED WITH CB06 CONTROL)
LINAK CB06 CONTROL UNIT 115 VOLT P/N 10-4570
1
POWER CABLE P/N 15-0117 DWG. B-5582
7
LINAK JUNCTION BOX P/N 10-4546
5
PORT 4 NOT USED
PORT 3 COLUMN
PORT 2 NOT USED
PORT 1 BACK ACTUATOR
NOT USED
PORT 2V
PORT 1
DJB CABLE P/N 15-1108 DWG. B-4563
8
A.C. INLET HARNESS 115/220V. P/N 15-1161 DWG. B-6053
10
POWER CORD 115V. P/N 10-1421
14
GROUND WIRES MUST BE CONNECTED TO FLOOR PLATE
CABLE LOCK (FURNISHED WITH JUNCTION BOX)
LINAK LA31 EXTENSION CABLE 1250mm P/N 10-4545
12
5 AMP LIGHTED AND FUSED SWITCH P/N 10-2250 (SWITCH CONTROLS A/C OUTLETS)
SELECTOR SWITCH MUST BE SET TO 115 VOLT
HARNESS: POWER TO MAIN BREAKER (NOT SHOWN) P/N 15-1163 DWG. B-6055
18
DL2 COLUMN
2
A/C OUTLET CABLE 115/230V. P/N 15-1162 DWG. B-6054
9
ASSEMBLY ELECTRICAL BOX (SAFETY COVER REMOVED) 115V. P/N 15-2360 DWG. B-5998
4
LIGHT (SWITCHED) (ALWAYS ON)
115V A/C OUTLET P/N 15-2349 DWG. B-6001
18
LA31 BACK ACTUATOR 150mm P/N 10-4552
3
CABLE LOCK P/N 10-4549
13
CHAIR SEAT CAVITY
10 AMP LIGHTED AND FUSED SWITCH P/N 10-2251 (MAIN ON / OFF SWITCH)
M3000LC FOOT CONTROL 115V. 2 POSITION P/N 15-2362 DWG. B-5980
6
INTERCONNECT HARNESS (NOT SHOWN) P/N 15-1164 DWG. B-6056
16
FEMALE END TO FOOT CONTROL
FOOT CONTROL CABLE P/N 15-1166 DWG. B-6061
11


ELECTRICAL WIRING DIAGRAM:
M3000LC/M3010LC/E3010LC
230 VOLT LC-8 BASE
Boyd Industries Inc
12900 44TH Street North
Clearwater, Florida 33762
B-6066
REVISIONS
ECO # REV DESCRIPTION DATE BY:
C ADDED HARNESS, ITEM 18 6/24/10 J.J.
261 D FOOT CONTROL JOINED WITH ELECT BOX 7/4/10 J.J.
FOOT CONTROL CABLE WAS 15-1165
E EXTENSION CABLE WAS 2500mm 11/15/10 J.J.
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BOYD INDUSTRIES, INC.
ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BOYD INDUSTRIES, INC. IS PROHIBITED
SIZE B DWG NO. B-6066 PART NO. B-6066 REV E
SCALE N/A DWG DATE: 5/6/10 SHEET 2 OF 3
CHAIR SEAT CAVITY
LIGHT
230V A/C OUTLET
P/N 15-2350 DWG. B-6002
(3) LA31 BACK ACTUATOR
150mm P/N 10-4552
(13) CABLE LOCK
P/N 10-4549
(2) DL2 COLUMN
(9) A/C OUTLET
CABLE 115/230V.
P/N 15-1162
DWG. B-6054
CABLE LOCK
(FURNISHED WITH
JUNCTION BOX)
(12) LINAK
LA31 EXTENSION CABLE
1250mm P/N 10-4545
(4) ASSEMBLY ELECTRICAL BOX
(SAFETY COVER REMOVED)
230V. P/N 15-2361 DWG. B-5999
2 AMP LIGHTED AND FUSED SWITCH
P/N 10-2252
(SWITCH CONTROLS A/C OUTLET)
SELECTOR SWITCH MUST
BE SET TO 230 VOLT
7 AMP LIGHTED AND FUSED SWITCH
P/N 10-2253
(MAIN ON / OFF SWITCH)
(6) M3000LC
FOOT CONTROL 230V.
2 POSITION
P/N/ 15-2363
DWG. B-5980
(16) INTERCONNECT HARNESS
(NOT SHOWN)
P/N 15-1164
DWG. B-6056
FEMALE END TO
FOOT CONTROL
(11) FOOT CONTROL CABLE
P/N 15-1166 DWG. B-6061
(18) HARNESS:
POWER TO MAIN BREAKER
(NOT SHOWN)
P/N 15-1163
DWG. B-6055
(10) A.C. INLET HARNESS
115/220V.
P/N 15-1161 DWG. B-6053
GROUND WIRES
MUST BE CONNECTED
TO FLOOR PLATE
(14) POWER CORD 230V.:
P/N 10-3396
(1) LINAK CB06
CONTROL UNIT
230 VOLT
P/N 10-4571
CABLE LOCK
(FURNISHED WITH
CB06 CONTROL)
(7) POWER CABLE
P/N 15-0117
DWG. B-5582
(8) DJB CABLE
P/N 15-1108
DWG. B-4563
(5) LINAK
JUNCTION BOX
P/N 10-4546
PORT 4 NOT USED
PORT 3 COLUMN
PORT 2 NOT USED
PORT 1
BACK ACTUATOR
PORT 4 NOT USED
PORT 3 NOT USED
PORT 2 NOT USED
PORT 1 NOT USED



ITEM NO.	PART NO.	DESCRIPTION
SW01	10-2277	AUTO RETURN
SW02	10-2277	POSITION #1
SW03	10-2277	POSITION #2
SW04	10-2273	BACK UP
SW05	10-2273	BACK DOWN
SW06	10-2273	BASE DOWN
SW07	10-2273	BASE UP
SW08	10-2273	BACK DOWN
SW09	10-2273	BACK UP
SW10	10-2277	SAVE
SW11	10-2277	POSITION #3
SW12	10-2277	AUTO RETURN
SW13	10-2278	LIGHT OUTLET
SW14	10-2250	LIGHT, 5 AMP FUSE
* SW14	10-2252	LIGHT, 2 AMP FUSE
SW15	10-2251	MAIN, 10 AMP FUSE
* SW15	10-2253	MAIN, 7 AMP FUSE
M1	-	BASE COLUMN MOTOR
M2	-	LA31 150mm BACK MOTOR
CN01	10-0409	25 PIN MALE
CN02	-	25 PIN FEMALE
CN03	-	25 PIN MALE
CN04	-	25 PIN FEM D-SUB MIN
CN05	-	9 PIN MALE-LINAK
CN06	-	9 PIN FEMALE LINAK
CN07	-	9 PIN MALE D-SUB MIN
CN08	-	3 PIN MALE
CN09	-	3 PIN FEMALE
CN10	-	CB06 POWER (LINAK)
CN11	-	3 PIN FEMALE (ON PC BOARD)
CN12	-	3 PIN MALE
CN13	-	4 PIN FEMALE
CN14	-	4 PIN MALE (ON PC BOARD)
CN15	-	A/C POWER
CN16	-	3 POS FEMALE
CN17	-	6 POS MALE (ON PC BOARD)
CN18	-	6 POS FEMALE (HARNESS)
CN19	-	6 POS FEMALE
CN20	-	6 POS MALE
F1	10-0332	FUSE .05 AMP SLO-BLO
F2	10-0332	FUSE .05 AMP SLO-BLO
* F1	10-0333	FUSE .032 AMP SLO-BLO
* F2	10-0333	FUSE .032 AMP SLO-BLO
R3	10-0586	RELAY 115V. 2 POLE
* R3	10-0587	RELAY 230V. 2 POLE

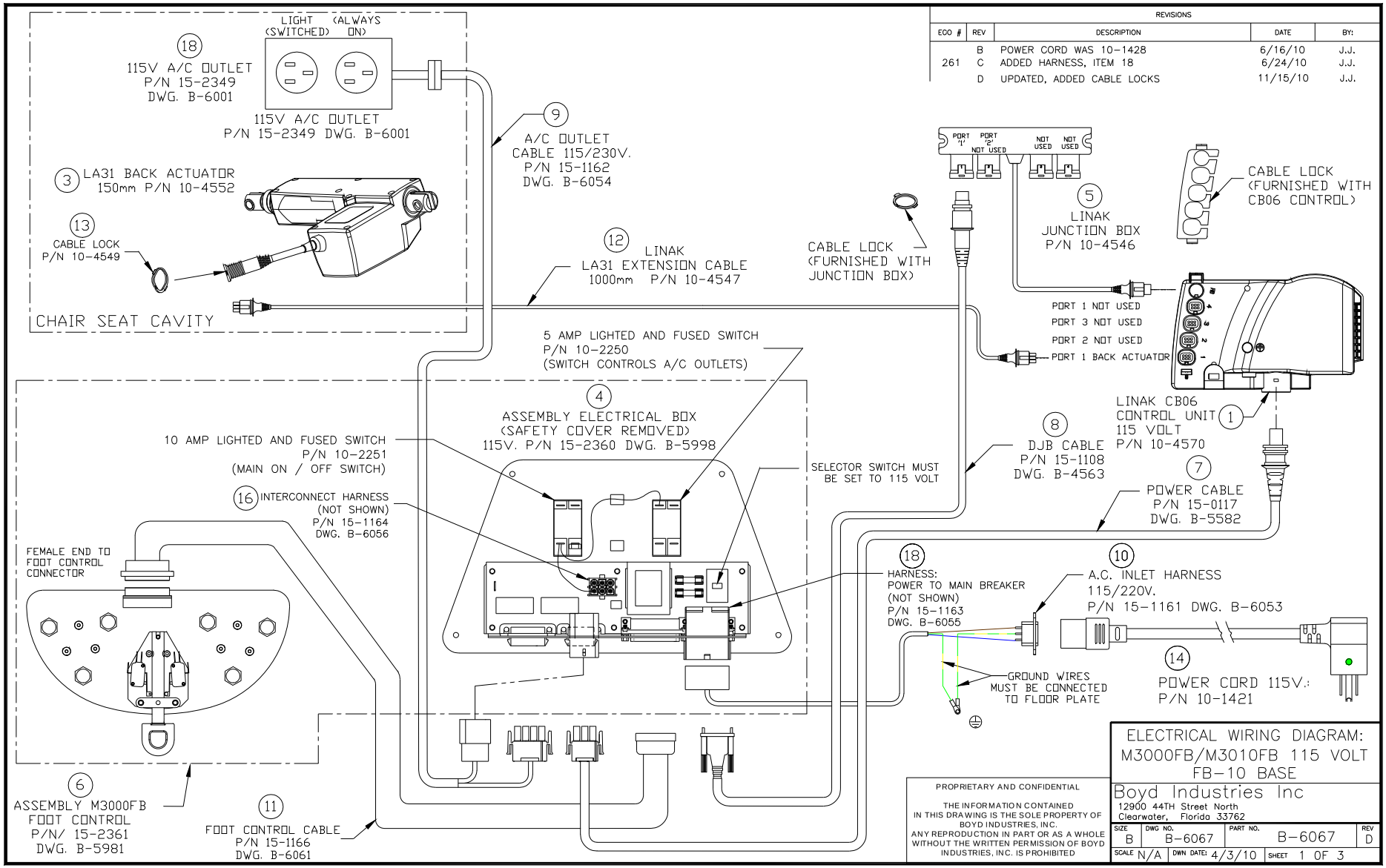
ITEM	PART NO.	DESCRIPTION
18	15-1163	HARNESS: PWR TO MAIN BREAKER
17	15-2350	* ASSEMBLY: A/C OUTLET 230V.
17	15-2349	ASSEMBLY: A/C OUTLET 115V.
16	15-1164	HARNESS: INTERCONNECT
15	15-0551	* PCB BOARD ASSEMBLY 230V.
15	15-0550	PCB BOARD ASSEMBLY 115V.
14	10-3396	* POWER CABLE 230V.A.C.
14	10-1421	POWER CABLE 115V.A.C.
13	10-4549	CABLE LOCK
12	10-4548	LINAK LA31 EXT CABLE-2500mm
11	15-1166	FOOT CONTROL CABLE-M3000
10	15-1161	A/C INLET HARNESS-M3000
9	15-1162	A.C. OUTLET CABLE 115/230V.
8	15-1108	CABLE FOOT CONTROL-ORTHO
7	15-0117	CB20/CB-06 POWER CABLE
6	15-2363	* FOOT CONTROL-2 POS 230V.
6	15-2362	FOOT CONTROL-2 POS 115V.
5	10-4546	LINAK JUNCTION BOX W/MATRIX
4	15-2361	* ELECT BOX 230V. M3000
4	15-2360	ELECT BOX 115V. M3000
3	10-4552	LA31 150mm BACK ACTUATOR
2	10-4572	LINAK 200mm DL2 LIFT COLUMN
1	10-4571	* LINAK CB06 CONTROL-230V.
1	10-4570	LINAK CB06 CONTROL-115V.

ELECTRICAL SCHEMATIC:
M3000LC/M3010LC/E3010LC
115/230 VOLT LC-8 BASE

Boyd Industries Inc
12900 44TH Street North
Clearwater, Florida 33762

SIZE	DWG NO.	PART NO.	REV
B	B-6066	B-6066	E

SCALE N/A | DWN DATE: 5/6/10 | SHEET 3 OF 3


REVISIONS
ECO # REV DESCRIPTION DATE BY:
B POWER CORD WAS 10-1428 6/16/10 J.J.
261 C ADDED HARNESS, ITEM 18 6/24/10 J.J.
D UPDATED, ADDED CABLE LOCKS 11/15/10 J.J.
LIGHT (SWITCHED) (ALWAYS ON)
18
115V A/C OUTLET
P/N 15-2349
DWG. B-6001
115V A/C OUTLET P/N 15-2349 DWG. B-6001
9
A/C OUTLET CABLE 115/230V.
P/N 15-1162
DWG. B-6054
3 LA31 BACK ACTUATOR 150mm P/N 10-4552
13
CABLE LOCK
P/N 10-4549
CHAIR SEAT CAVITY
12
LINAK
LA31 EXTENSION CABLE
1000mm P/N 10-4547
CABLE LOCK (FURNISHED WITH JUNCTION BOX)
PORT '1' PORT '2' NOT USED NOT USED NOT USED
5
LINAK
JUNCTION BOX
P/N 10-4546
CABLE LOCK (FURNISHED WITH CB06 CONTROL)
PORT 1 NOT USED
PORT 3 NOT USED
PORT 2 NOT USED
PORT 1 BACK ACTUATOR
LINAK CB06
CONTROL UNIT
115 VOLT
P/N 10-4570
1
5 AMP LIGHTED AND FUSED SWITCH
P/N 10-2250
(SWITCH CONTROLS A/C OUTLETS)
4
ASSEMBLY ELECTRICAL BOX
(SAFETY COVER REMOVED)
115V. P/N 15-2360 DWG. B-5998
10 AMP LIGHTED AND FUSED SWITCH
P/N 10-2251
(MAIN ON / OFF SWITCH)
16 INTERCONNECT HARNESS
(NOT SHOWN)
P/N 15-1164
DWG. B-6056
SELECTOR SWITCH MUST BE SET TO 115 VOLT
8
DJB CABLE
P/N 15-1108
DWG. B-4563
7
POWER CABLE
P/N 15-0117
DWG. B-5582
FEMALE END TO FOOT CONTROL CONNECTOR
18
HARNESS:
POWER TO MAIN BREAKER
(NOT SHOWN)
P/N 15-1163
DWG. B-6055
10
A.C. INLET HARNESS
115/220V.
P/N 15-1161 DWG. B-6053
GROUND WIRES MUST BE CONNECTED TO FLOOR PLATE
14
POWER CORD 115V.
P/N 10-1421
6
ASSEMBLY M3000FB
FOOT CONTROL
P/N/ 15-2361
DWG. B-5981
11
FOOT CONTROL CABLE
P/N 15-1166
DWG. B-6061
PROPRIETARY AND CONFIDENTIAL
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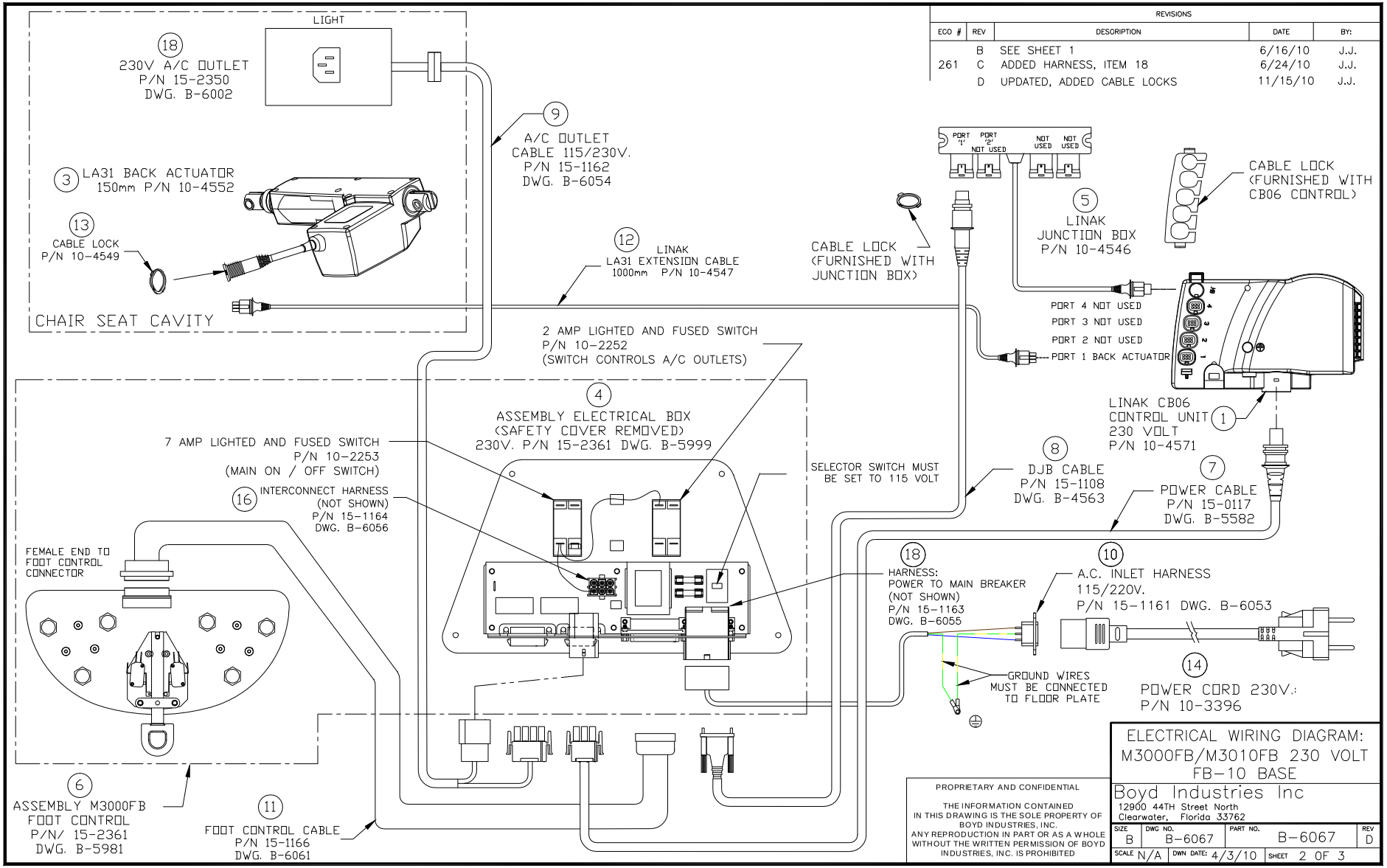
ELECTRICAL WIRING DIAGRAM:
M3000FB/M3010FB 115 VOLT
FB-10 BASE
Boyd Industries Inc
12900 44TH Street North
Clearwater, Florida 33762
SIZE B DWG NO. B-6067 PART NO. B-6067 REV D
SCALE N/A DWN DATE: 4/3/10 SHEET 1 OF 3


REVISIONS
ECO # | REV | DESCRIPTION | DATE | BY:
B | SEE SHEET 1 | 6/16/10 | J.J.
261 | C | ADDED HARNESS, ITEM 18 | 6/24/10 | J.J.
D | UPDATED, ADDED CABLE LOCKS | 11/15/10 | J.J.
LIGHT
18 230V A/C OUTLET P/N 15-2350 DWG. B-6002
9 A/C OUTLET CABLE 115/230V. P/N 15-1162 DWG. B-6054
3 LA31 BACK ACTUATOR 150mm P/N 10-4552
13 CABLE LOCK P/N 10-4549
12 LINAK LA31 EXTENSION CABLE 1000mm P/N 10-4547
CHAIR SEAT CAVITY
CABLE LOCK (FURNISHED WITH JUNCTION BOX)
PORT '1' PORT '2' NOT USED NOT USED NOT USED
5 LINAK JUNCTION BOX P/N 10-4546
CABLE LOCK (FURNISHED WITH CB06 CONTROL)
PORT 4 NOT USED
PORT 3 NOT USED
PORT 2 NOT USED
PORT 1 BACK ACTUATOR
LINAK CB06 CONTROL UNIT 1 230 VOLT P/N 10-4571
2 AMP LIGHTED AND FUSED SWITCH P/N 10-2252 (SWITCH CONTROLS A/C OUTLETS)
4 ASSEMBLY ELECTRICAL BOX (SAFETY COVER REMOVED) 230V. P/N 15-2361 DWG. B-5999
7 AMP LIGHTED AND FUSED SWITCH P/N 10-2253 (MAIN ON / OFF SWITCH)
16 INTERCONNECT HARNESS (NOT SHOWN) P/N 15-1164 DWG. B-6056
SELECTOR SWITCH MUST BE SET TO 115 VOLT
8 DJB CABLE P/N 15-1108 DWG. B-4563
7 POWER CABLE P/N 15-0117 DWG. B-5582
FEMALE END TO FOOT CONTROL CONNECTOR
18 HARNESS: POWER TO MAIN BREAKER (NOT SHOWN) P/N 15-1163 DWG. B-6055
10 A.C. INLET HARNESS 115/220V. P/N 15-1161 DWG. B-6053
GROUND WIRES MUST BE CONNECTED TO FLOOR PLATE
14 POWER CORD 230V.: P/N 10-3396
6 ASSEMBLY M3000FB FOOT CONTROL P/N/ 15-2361 DWG. B-5981
11 FOOT CONTROL CABLE P/N 15-1166 DWG. B-6061
PROPRIETARY AND CONFIDENTIAL
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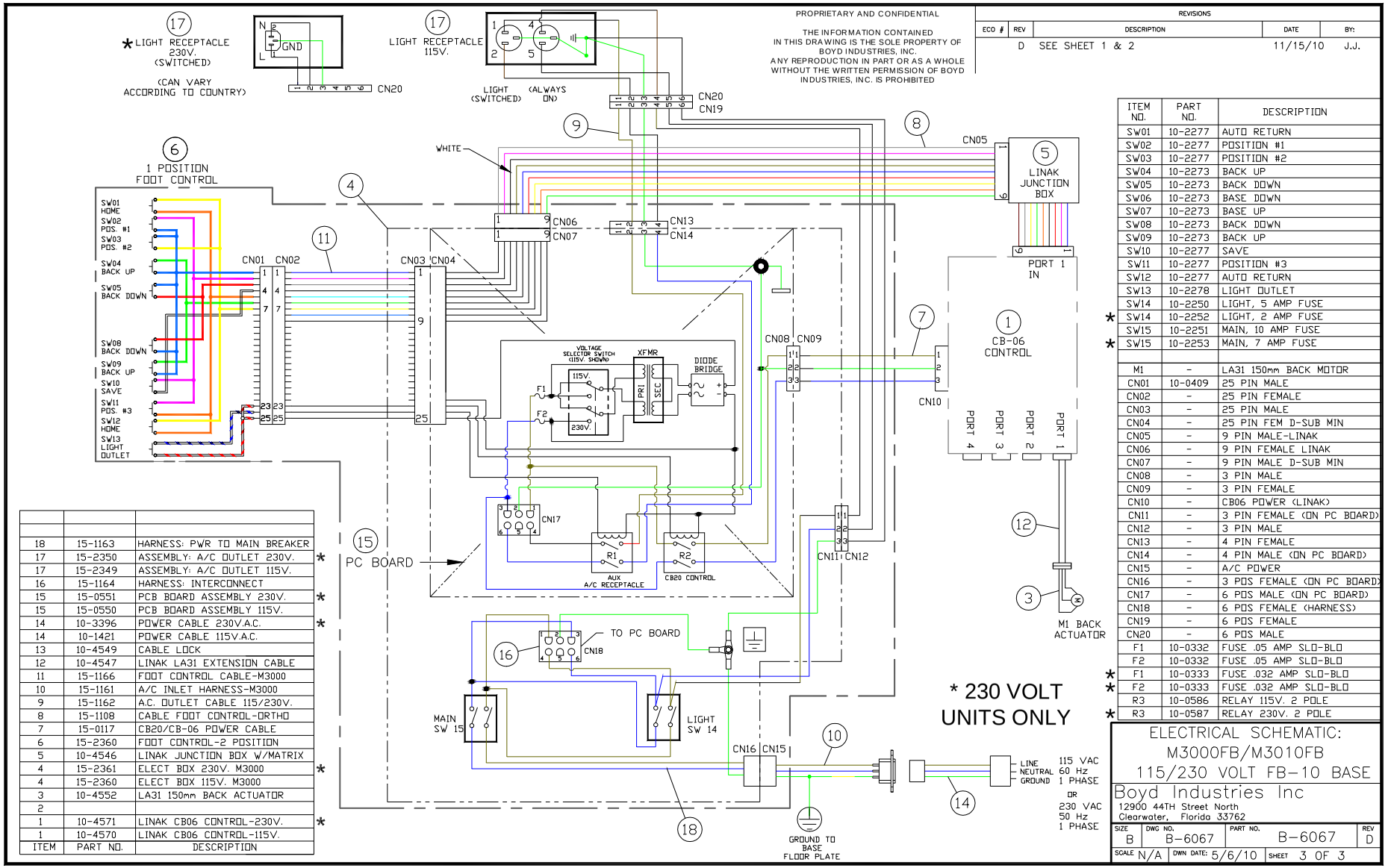
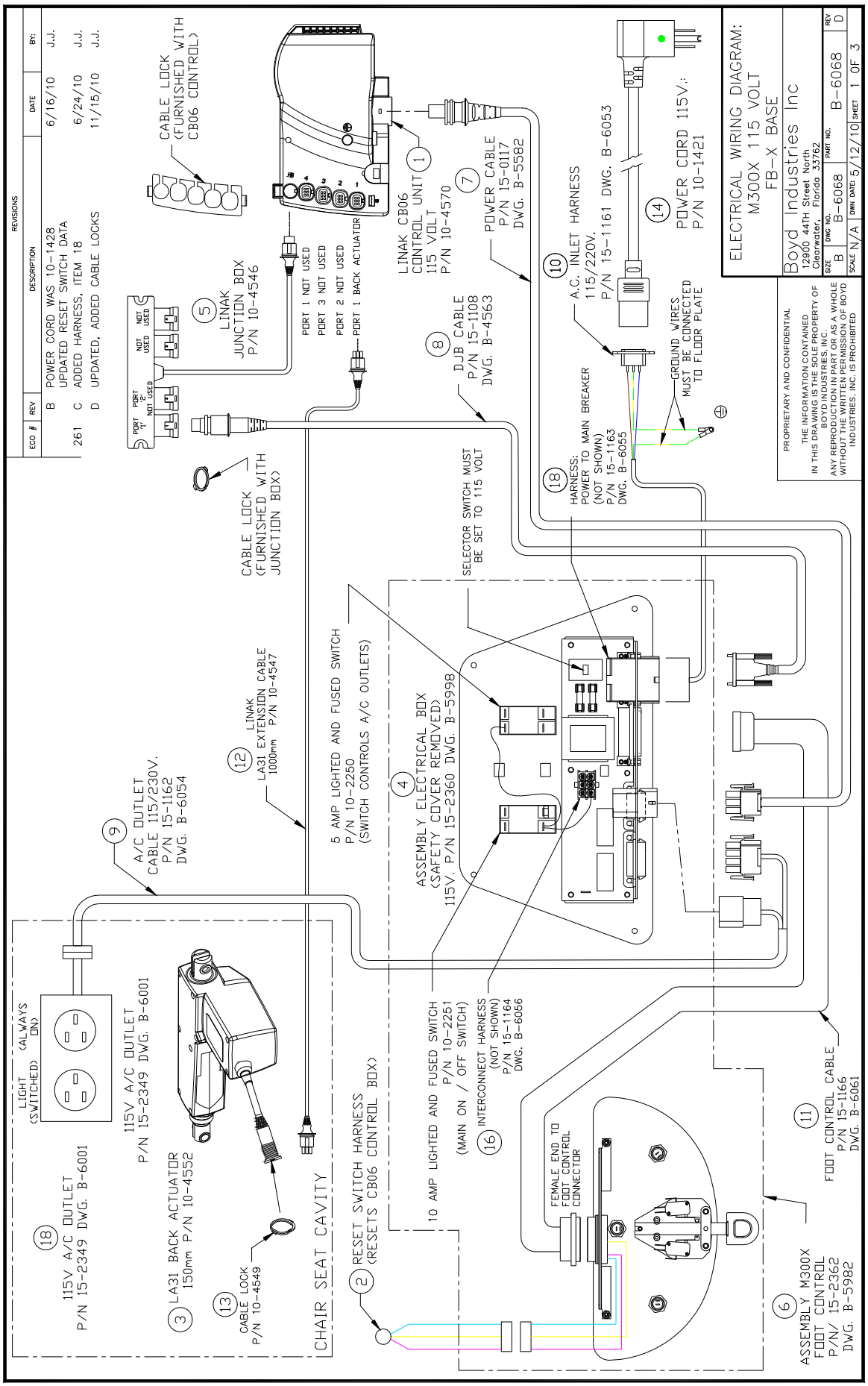
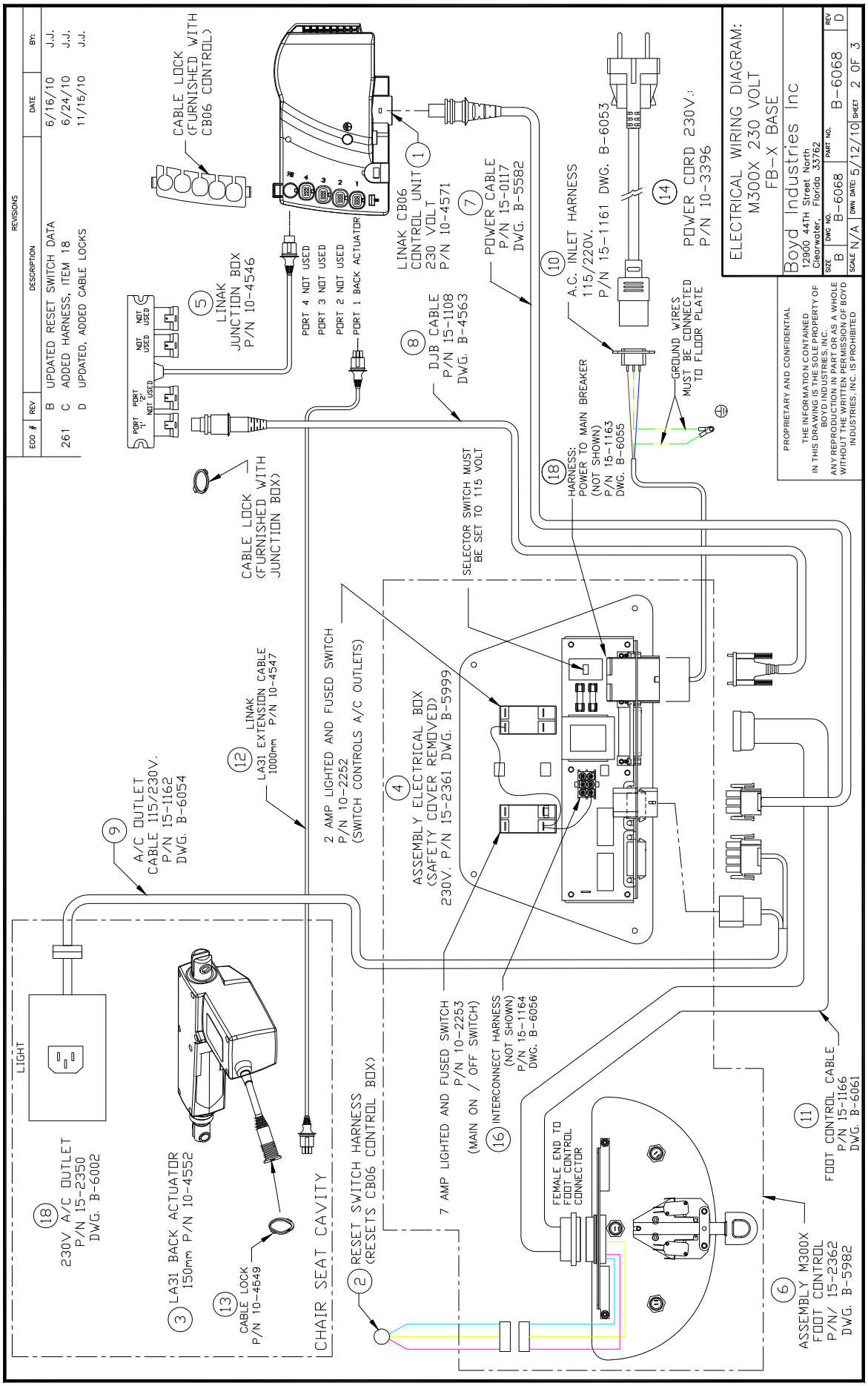
ELECTRICAL WIRING DIAGRAM: M3000FB/M3010FB 230 VOLT FB-10 BASE
Boyd Industries Inc
12900 44TH Street North
Clearwater, Florida 33762
SIZE B | DWG NO. B-6067 | PART NO. B-6067 | REV D
SCALE N/A | DWN DATE: 4/3/10 | SHEET 2 OF 3



ITEM NO.	PART NO.	DESCRIPTION
SW01	10-2277	AUTO RETURN
SW02	10-2277	POSITION #1
SW03	10-2277	POSITION #2
SW04	10-2273	BACK UP
SW05	10-2273	BACK DOWN
SW06	10-2273	BASE DOWN
SW07	10-2273	BASE UP
SW08	10-2273	BACK DOWN
SW09	10-2273	BACK UP
SW10	10-2277	SAVE
SW11	10-2277	POSITION #3
SW12	10-2277	AUTO RETURN
SW13	10-2278	LIGHT OUTLET
SW14	10-2250	LIGHT, 5 AMP FUSE
* SW14	10-2252	LIGHT, 2 AMP FUSE
SW15	10-2251	MAIN, 10 AMP FUSE
* SW15	10-2253	MAIN, 7 AMP FUSE
M1	-	LA31 150mm BACK MOTOR
CN01	10-0409	25 PIN MALE
CN02	-	25 PIN FEMALE
CN03	-	25 PIN MALE
CN04	-	25 PIN FEM D-SUB MIN
CN05	-	9 PIN MALE-LINAK
CN06	-	9 PIN FEMALE LINAK
CN07	-	9 PIN MALE D-SUB MIN
CN08	-	3 PIN MALE
CN09	-	3 PIN FEMALE
CN10	-	CB06 POWER (LINAK)
CN11	-	3 PIN FEMALE (ON PC BOARD)
CN12	-	3 PIN MALE
CN13	-	4 PIN FEMALE
CN14	-	4 PIN MALE (ON PC BOARD)
CN15	-	A/C POWER
CN16	-	3 POS FEMALE (ON PC BOARD)
CN17	-	6 POS MALE (ON PC BOARD)
CN18	-	6 POS FEMALE (HARNESS)
CN19	-	6 POS FEMALE
CN20	-	6 POS MALE
F1	10-0332	FUSE .05 AMP SLO-BLO
F2	10-0332	FUSE .05 AMP SLO-BLO
* F1	10-0333	FUSE .032 AMP SLO-BLO
* F2	10-0333	FUSE .032 AMP SLO-BLO
R3	10-0586	RELAY 115V. 2 POLE
* R3	10-0587	RELAY 230V. 2 POLE

18	15-1163	HARNESS: PWR TO MAIN BREAKER
17	15-2350	ASSEMBLY: A/C OUTLET 230V. *
17	15-2349	ASSEMBLY: A/C OUTLET 115V.
16	15-1164	HARNESS: INTERCONNECT
15	15-0551	PCB BOARD ASSEMBLY 230V. *
15	15-0550	PCB BOARD ASSEMBLY 115V.
14	10-3396	POWER CABLE 230V.A.C. *
14	10-1421	POWER CABLE 115V.A.C.
13	10-4549	CABLE LOCK
12	10-4547	LINAK LA31 EXTENSION CABLE
11	15-1166	FOOT CONTROL CABLE-M3000
10	15-1161	A/C INLET HARNESS-M3000
9	15-1162	A.C. OUTLET CABLE 115/230V.
8	15-1108	CABLE FOOT CONTROL-ORTHO
7	15-0117	CB20/CB-06 POWER CABLE
6	15-2360	FOOT CONTROL-2 POSITION
5	10-4546	LINAK JUNCTION BOX W/MATRIX
4	15-2361	ELECT BOX 230V. M3000 *
4	15-2360	ELECT BOX 115V. M3000
3	10-4552	LA31 150mm BACK ACTUATOR
2		
1	10-4571	LINAK CB06 CONTROL-230V. *
1	10-4570	LINAK CB06 CONTROL-115V.
ITEM	PART NO.	DESCRIPTION


ELECTRICAL WIRING DIAGRAM:
M300X 115 VOLT
FB-X BASE
Boyd Industries Inc
12900 44TH Street North
Clearwater, Florida 33762
B-6068
REVISIONS
ECO # REV DESCRIPTION DATE BY:
B POWER CORD WAS 10-1428 6/16/10 J.J.
UPDATED RESET SWITCH DATA
C ADDED HARNESS, ITEM 18 6/24/10 J.J.
261
D UPDATED, ADDED CABLE LOCKS 11/15/10 J.J.
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BOYD INDUSTRIES, INC.
ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BOYD INDUSTRIES, INC. IS PROHIBITED
CABLE LOCK (FURNISHED WITH CB06 CONTROL)
LINAK CB06 CONTROL UNIT 115 VOLT P/N 10-4570
1
POWER CORD 115V.: P/N 10-1421
14
POWER CABLE P/N 15-0117 DWG. B-5582
7
A.C. INLET HARNESS 115/220V. P/N 15-1161 DWG. B-6053
10
GROUND WIRES MUST BE CONNECTED TO FLOOR PLATE
5 LINAK JUNCTION BOX P/N 10-4546
PORT 1 NOT USED
PORT 3 NOT USED
PORT 2 NOT USED
PORT 1 BACK ACTUATOR
8 DJB CABLE P/N 15-1108 DWG. B-4563
CABLE LOCK (FURNISHED WITH JUNCTION BOX)
SELECTOR SWITCH MUST BE SET TO 115 VOLT
18 HARNESS: POWER TO MAIN BREAKER (NOT SHOWN) P/N 15-1163 DWG. B-6055
12 LINAK LA31 EXTENSION CABLE 1000mm P/N 10-4547
5 AMP LIGHTED AND FUSED SWITCH P/N 10-2250 (SWITCH CONTROLS A/C OUTLETS)
4 ASSEMBLY ELECTRICAL BOX (SAFETY COVER REMOVED) 115V. P/N 15-2360 DWG. B-5998
9 A/C OUTLET CABLE 115/230V. P/N 15-1162 DWG. B-6054
LIGHT (SWITCHED) (ALWAYS ON)
115V A/C OUTLET P/N 15-2349 DWG. B-6001
18 115V A/C OUTLET P/N 15-2349 DWG. B-6001
3 LA31 BACK ACTUATOR 150mm P/N 10-4552
13 CABLE LOCK P/N 10-4549
CHAIR SEAT CAVITY
2 RESET SWITCH HARNESS (RESETS CB06 CONTROL BOX)
10 AMP LIGHTED AND FUSED SWITCH P/N 10-2251 (MAIN ON / OFF SWITCH)
16 INTERCONNECT HARNESS (NOT SHOWN) P/N 15-1164 DWG. B-6056
FEMALE END TO FOOT CONTROL CONNECTOR
11 FOOT CONTROL CABLE P/N 15-1166 DWG. B-6061
6 ASSEMBLY M300X FOOT CONTROL P/N/ 15-2362 DWG. B-5982
SIZE B
DWG NO. B-6068
PART NO. B-6068
REV D
SCALE N/A
DWN DATE: 5/12/10
SHEET 1 OF 3


REVISIONS
ECO # REV DESCRIPTION DATE BY:
B UPDATED RESET SWITCH DATA 6/16/10 J.J.
261 C ADDED HARNESS, ITEM 18 6/24/10 J.J.
D UPDATED, ADDED CABLE LOCKS 11/15/10 J.J.
ELECTRICAL WIRING DIAGRAM:
M300X 230 VOLT
FB-X BASE
Boyd Industries Inc
12900 44TH Street North
Clearwater, Florida 33762
SIZE B DWG NO. B-6068 PART NO. B-6068 REV D
SCALE N/A DWN DATE: 5/12/10 SHEET 2 OF 3
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BOYD INDUSTRIES, INC.
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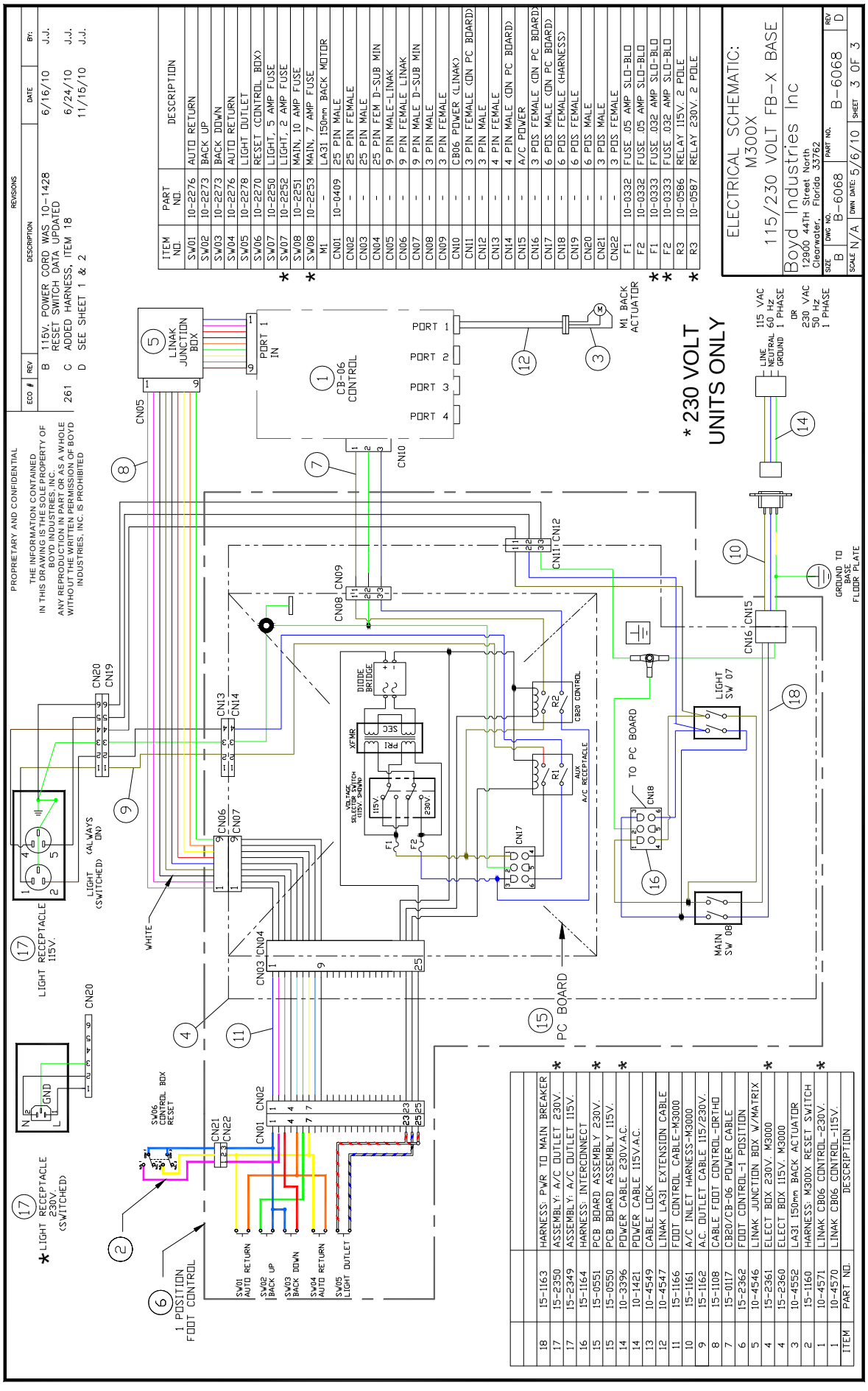
CABLE LOCK (FURNISHED WITH CB06 CONTROL)
LINAK CB06 CONTROL UNIT 230 VOLT P/N 10-4571
1
POWER CABLE P/N 15-0117 DWG. B-5582
7
A.C. INLET HARNESS 115/220V. P/N 15-1161 DWG. B-6053
10
POWER CORD 230V.: P/N 10-3396
14
GROUND WIRES MUST BE CONNECTED TO FLOOR PLATE
PORT 4 NOT USED
PORT 3 NOT USED
PORT 2 NOT USED
PORT 1 BACK ACTUATOR
5 LINAK JUNCTION BOX P/N 10-4546
8 DJB CABLE P/N 15-1108 DWG. B-4563
CABLE LOCK (FURNISHED WITH JUNCTION BOX)
SELECTOR SWITCH MUST BE SET TO 115 VOLT
18 HARNESS: POWER TO MAIN BREAKER (NOT SHOWN) P/N 15-1163 DWG. B-6055
9 A/C OUTLET CABLE 115/230V. P/N 15-1162 DWG. B-6054
12 LINAK LA31 EXTENSION CABLE 1000mm P/N 10-4547
2 AMP LIGHTED AND FUSED SWITCH P/N 10-2252 (SWITCH CONTROLS A/C OUTLETS)
4 ASSEMBLY ELECTRICAL BOX (SAFETY COVER REMOVED) 230V. P/N 15-2361 DWG. B-5999
LIGHT
18 230V A/C OUTLET P/N 15-2350 DWG. B-6002
3 LA31 BACK ACTUATOR 150mm P/N 10-4552
13 CABLE LOCK P/N 10-4549
CHAIR SEAT CAVITY
2 RESET SWITCH HARNESS (RESETS CB06 CONTROL BOX)
7 AMP LIGHTED AND FUSED SWITCH P/N 10-2253 (MAIN ON / OFF SWITCH)
16 INTERCONNECT HARNESS (NOT SHOWN) P/N 15-1164 DWG. B-6056
FEMALE END TO FOOT CONTROL CONNECTOR
11 FOOT CONTROL CABLE P/N 15-1166 DWG. B-6061
6 ASSEMBLY M300X FOOT CONTROL P/N/ 15-2362 DWG. B-5982



ITEM NO.	PART NO.	DESCRIPTION
SW01	10-2276	AUTO RETURN
SW02	10-2273	BACK UP
SW03	10-2273	BACK DOWN
SW04	10-2276	AUTO RETURN
SW05	10-2278	LIGHT OUTLET
SW06	10-2270	RESET (CONTROL BOX)
SW07	10-2250	LIGHT, 5 AMP FUSE
SW07	10-2252	LIGHT, 2 AMP FUSE
SW08	10-2251	MAIN, 10 AMP FUSE
SW08	10-2253	MAIN, 7 AMP FUSE
M1	-	LA31 150mm BACK MOTOR
CN01	10-0409	25 PIN MALE
CN02	-	25 PIN FEMALE
CN03	-	25 PIN MALE
CN04	-	25 PIN FEM D-SUB MIN
CN05	-	9 PIN MALE-LINAK
CN06	-	9 PIN FEMALE LINAK
CN07	-	9 PIN MALE D-SUB MIN
CN08	-	3 PIN MALE
CN09	-	3 PIN FEMALE
CN10	-	CB06 POWER (LINAK)
CN11	-	3 PIN FEMALE (ON PC BOARD)
CN12	-	3 PIN MALE
CN13	-	4 PIN FEMALE
CN14	-	4 PIN MALE (ON PC BOARD)
CN15	-	A/C POWER
CN16	-	3 PDS FEMALE (ON PC BOARD)
CN17	-	6 PDS MALE (ON PC BOARD)
CN18	-	6 PDS FEMALE (HARNESS)
CN19	-	6 PDS FEMALE
CN20	-	6 PDS MALE
CN21	-	3 PDS MALE
CN22	-	3 PDS FEMALE
F1	10-0332	FUSE .05 AMP SLO-BLO
F2	10-0332	FUSE .05 AMP SLO-BLO
F1	10-0333	FUSE .032 AMP SLO-BLO
F2	10-0333	FUSE .032 AMP SLO-BLO
R3	10-0586	RELAY 115V. 2 POLE
R3	10-0587	RELAY 230V. 2 POLE

ECO #	REV	DESCRIPTION	DATE	BY
	B	115V. POWER CORD WAS 10-1428	6/16/10	J.J.
		RESET SWITCH DATA UPDATED		
261	C	ADDED HARNESS, ITEM 18	6/24/10	J.J.
	D	SEE SHEET 1 & 2	11/15/10	J.J.

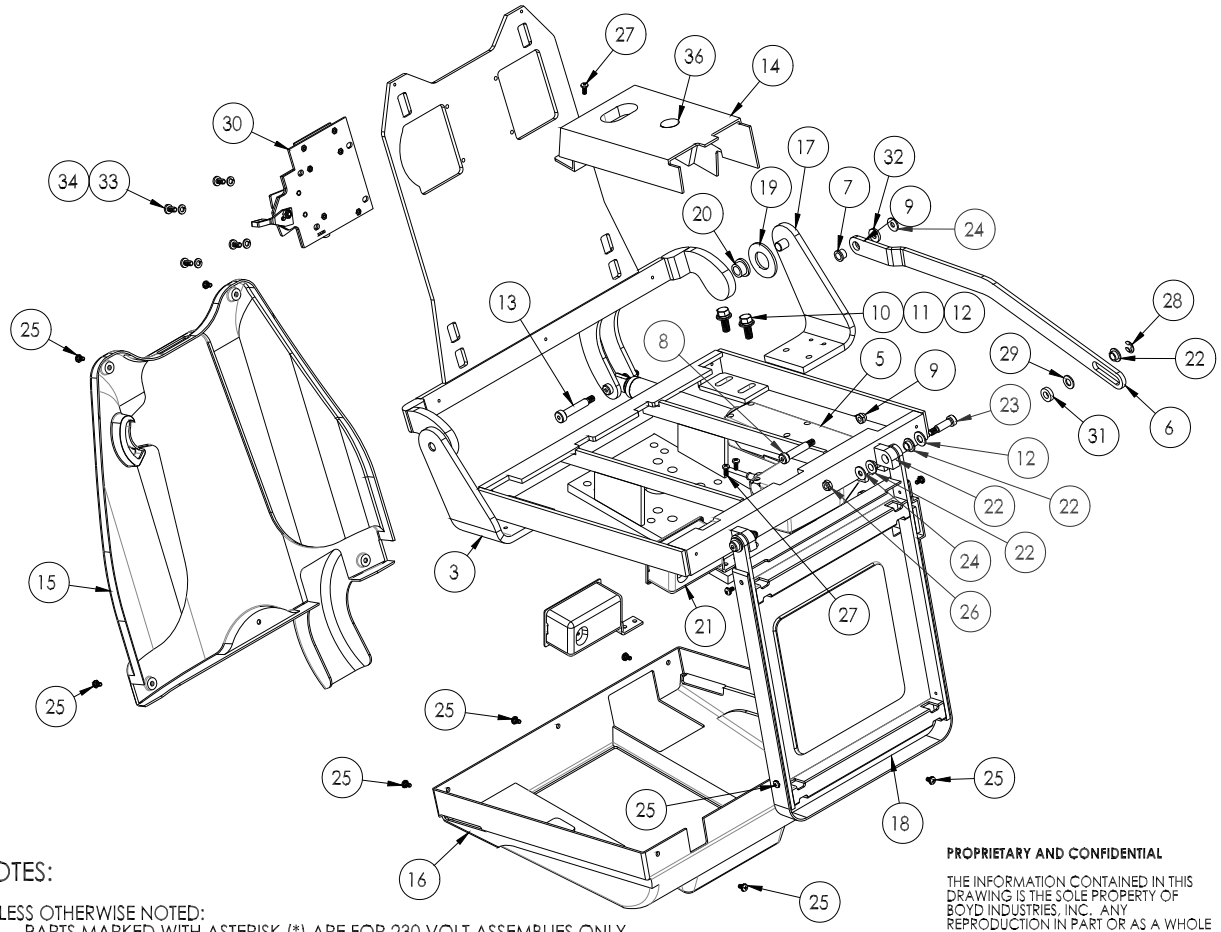
ITEM	PART NO.	DESCRIPTION
18	15-1163	HARNESS: PWR TO MAIN BREAKER *
17	15-2350	ASSEMBLY: A/C OUTLET 230V.
17	15-2349	ASSEMBLY: A/C OUTLET 115V.
16	15-1164	HARNESS: INTERCONNECT
15	15-0551	PCB BOARD ASSEMBLY 230V. *
15	15-0550	PCB BOARD ASSEMBLY 115V. *
14	10-3396	POWER CABLE 230V.A.C. *
14	10-1421	POWER CABLE 115V.A.C.
13	10-4549	CABLE LOCK
12	10-4547	LINAK LA31 EXTENSION CABLE
11	15-1166	FOOT CONTROL CABLE-M3000
10	15-1161	A/C INLET HARNESS-M3000
9	15-1162	A.C. OUTLET CABLE 115/230V.
8	15-1108	CABLE FOOT CONTROL-ORTHO
7	15-0117	CB20/CB-06 POWER CABLE
6	15-2362	FOOT CONTROL-1 POSITION
5	10-4546	LINAK JUNCTION BOX W/MATRIX *
4	15-2361	ELECT BOX 230V. M3000
3	15-2360	ELECT BOX 115V. M3000
2	15-4552	LA31 150mm BACK ACTUATOR *
2	15-1160	HARNESS: M300X RESET SWITCH
1	10-4571	LINAK CB06 CONTROL-230V.
1	10-4570	LINAK CB06 CONTROL-115V.

PARTS BREAKDOWN:
M3010 CHAIR FRAME ASSEMBLY

PART NUMBER: 95-2295 115V. PUTTY PART NUMBER: 95-2295B 115V. BLACK

PART NUMBER: 95-2296 115V. PUTTY PART NUMBER: 95-2296B 115V. BLACK

REF. DRAWING B-5949-B



NOTES:

UNLESS OTHERWISE NOTED:
1. PARTS MARKED WITH ASTERISK (*) ARE FOR 230 VOLT ASSEMBLIES ONLY.
2. PARTS MARKED WITH TWO ASTERISKS (**) ARE NOT USED WITH 230 VOLT ASSEMBLIES.

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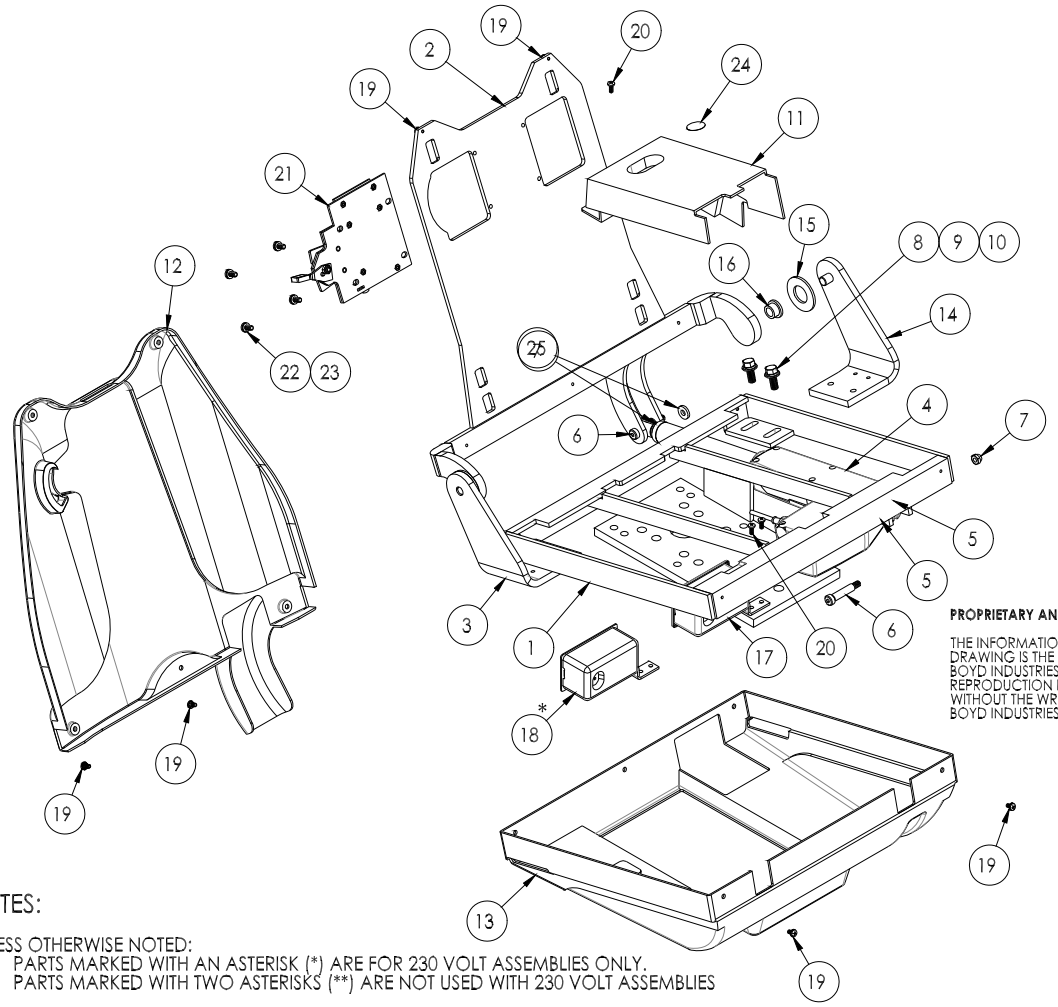
	ITEM	QTY	PART NO	DWG NO	DESCRIPTION
	36	1	60-1685		DECAL: READ OPERATOR'S MANUAL
*	35	1	15-2350	B-6002	ASSEMBLY AC OUTLET 230V M3000.SLDASM
	34	4	59-7065		LOCKWASHER .25 HEL SPRING
	33	4	59-4835		PHIL PAN .25-20 X .50
	32	1	50-2172		WASHER, NYL .74 X .50 X 125
	31	1	50-2175		NYL WASHER .75 X .375 X .20
	30	1	95-1425	B-5845	ASSEMBLY HR MECH-THIN BACK
	29	1	50-2176		WASHER, NYL .75 X .3790 X .063
	28	1	60-3162		E RING, .375 DIA SHAFT
	27	3	59-4839		PHIL PAN 10-24 X .50
	26	4	59-2018		HEX NYLOK THIN .312-18
	25	16	59-4881		PHIL PAN 10-24 X .375 w-STARWASHER
	24	2	59-7060		WASHER, FLAT .25
	23	2	59-1982		SHOULD SCR .375 X 1.00
	22	7	50-2184		SHOULDER WASHER, NYL .375 X .187 LG
	21	1	15-2349	B-6001	ASSEMBLY AC DUPLEX 115V M3000
	20	2	60-3785		BUSHING, BRONZE .FLANGED 50 X .75 X .50
	19	1	50-2353	D-6020	COVER, REAR SEAT FR M3000
	18	1	91-2324L	B-5976	WELDMENT HINGE, L. M3000
	17	4	90-2327	A-5979	DISC BLACK DELRIN 2.0 X .125 THICK
	16	1	50-2356	B-6008	COVER, LEG FRAME M3010
	15	1	50-2355	D-6007	COVER, M3000 SEAT
	14	1	50-2354	D-6006	COVER, M3000 BACK FRAME
	13	1	50-2366B	B-6015	ENCLOSURE SAFETY, M3000
	12	1	59-1984		SHOULD SCR 10mm X 45mm
	11	6	59-7059		WASHER, FLAT .375 SAE
	10	4	59-7067		LOCKWASHER .375
	9	4	59-1860		HEX HD .375-16 X 1
	8	1	59-1959		SHOULD SCR 10mm X 40mm
	7	3	50-2169		LINAK BUSHING 10mm
	6	1	91-2321	B-5973	LINK BAR LEG M3010
	5	1	10-4553		LA31-150mm M3000
	4	1	91-2317	B-5969	WELDMENT M3010 LEG FRAME
	3	1	91-2324R	B-5976	WELDMENT HINGE, R. M3000
	2	1	91-2308	B-5960	WELDMENT BACK FRAME M3000
	1	1	91-2298	B-5951	WELDMENT SEAT FRAME-M3010

PARTS BREAKDOWN:
M3000/M300X CHAIR FRAME ASSEMBLY
PART NUMBER: 95-2295 115V. PUTTY PART NUMBER 95-2295B 115V. BLACK
PART NUMBER: 95-2296 230V. PUTTY PART NUMBER 95-2296B 230V. BLACK
REF. DRAWING B-5948-B



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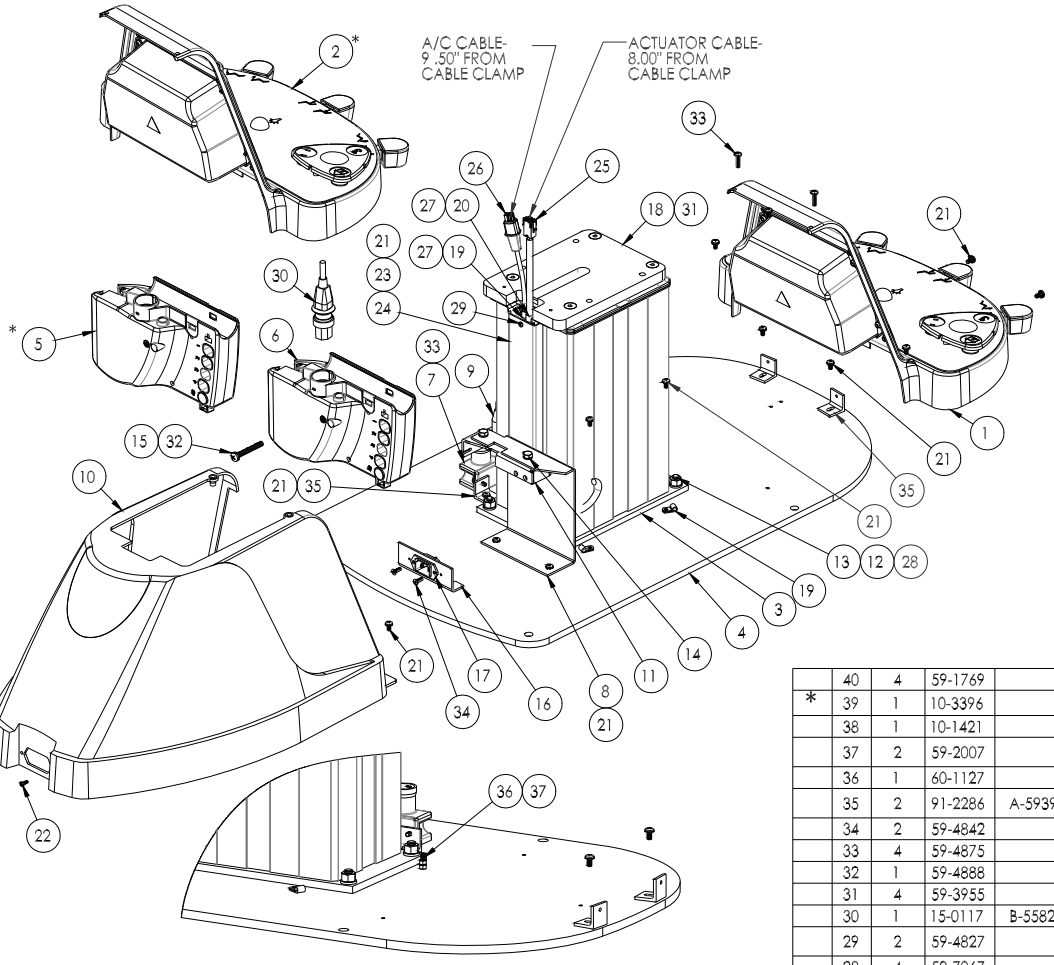
NOTES:

UNLESS OTHERWISE NOTED:
1. PARTS MARKED WITH AN ASTERISK (*) ARE FOR 230 VOLT ASSEMBLIES ONLY.
2. PARTS MARKED WITH TWO ASTERISKS (**) ARE NOT USED WITH 230 VOLT ASSEMBLIES

	25	1	50-2145		WASHER, NYL .75 X .323 X .125
	24	1	60-1685		DECAL, READ OPERATORS MANUAL
	23	4	59-7065		LOCKWASHER .25 HEL SPRING
	22	4	59-4835		PHIL PAN .25-20 X .50
	21	1	95-1425	B-5845	ASSEMBLY HR MECH-THIN BACK
	20	3	59-4839		PHIL PAN 10-24 X .50
	19	10	59-4881		PHIL PAN 10-24 X .375 w-STARWASHER
*	18	1	15-2350	B-6002	ASSEMBLY AC OUTLET 230V M3000.SLDASM
**	17	1	15-2349	B-6001	ASSEMBLY AC DUPLEX 115V M3000
	16	2	60-3785		BUSHING, BRONZE ,FLANGED 50 X .75 X .50
	15	2	90-2327	A-5979	DISC BLACK DELRIN 2.0 X .125 THICK
	14	1	91-2324L	B-5976	WELDMENT HINGE, L. M3000
	13	1	50-2355	D-6007	COVER, M3000 SEAT-ONE PIECE
	12	1	50-2354	D-6006	COVER, M3000 BACK FRAME
	11	1	50-2366	B-6015	ENCLOSURE SAFETY, M3000
	10	4	59-7059		WASHER, FLAT .375 SAE
	9	4	59-7067		LOCKWASHER .375
	8	4	59-1860		HEX HD .375-16 X 1
	7	2	59-2023		HEX NYLOK - M8
	6	2	59-1959		SHOULD SCR 10mm X 40mm
	5	2	50-2169		LINAK BUSHING 10mm
	4	1	10-4552		LA31-150mm M3000
	3	1	91-2324R	B-5976	WELDMENT HINGE, R. M3000
	2	1	91-2308	B-5960	WELDMENT BACK FRAME M3000
	1	1	91-2299	B-5951	WELDMENT SEAT FRAME-M3000 & M300X
230V	ITEM	QTY	PART NO	DWG NO	DESCRIPTION

PARTS BREAKDOWN:
LC-8 BASE ASSEMBLY
M3000LC/M3010LC MODELS
PART NUMBER: 95-2280 115V. PUTTY PART NUMBER 95-2281 230V. PUTTY
PART NUMBER: 95-2280B 115V. BLACK PART NUMBER 95-2281B 230V. BLACK
REF. DRAWING B-5930-D



NOTES:

UNLESS OTHERWISE NOTED:

1. CHAIR POWER CORD & CHAIR ANCHORS ARE NOT SHOWN.
2. PARTS MARKED WITH ASTERISK (*) ARE FOR 230 VOLT MODELS ONLY
3. ADJUST NUT ON FOOT CONTROL AS REQ'D FOR SNUG FIT WITH Z BRACKET.

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	40	4	59-1769		ANCHOR .312 DIA. X 2.5
*	39	1	10-3396		POWER CORD 230 V.
	38	1	10-1421		POWER CORD 4 FOOT, 115 V.
	37	2	59-2007		HEX NUT 10-24 + STARWASHER
	36	1	60-1127		GROUND STUD 10-24 X 1 S.S.
	35	2	91-2286	A-5939	MOUNT ANGLE FOOT CONTROL M300X
	34	2	59-4842		PHIL FLAT 6-32 X .50
	33	4	59-4875		PHIL PAN 10-24 X .75
	32	1	59-4888		PHIL PAN .25-20 X 2.00
	31	4	59-3955		TORX FLT 8mm X 35mm
	30	1	15-0117	B-5582	AC CORD, LINAK
	29	2	59-4827		PHIL PAN 8-32 X .50
	28	4	59-7067		LOCKWASHER .375
	27	3	59-2163		HEX NYLOK 8-32
	26	1	10-4545		CABLE, EXTENSION 1250mm LA31
	25	1	15-1162	B-6054	CABLE, AC OUTLET M3000
	24	1	91-2291	B-5944	COVER, FRONT CABLES M3000LC
	23	1	91-2292	B-5945	COVER, REAR-CABLES M3000LC
	22	2	59-4824		PHIL PAN 6-32 X .375
	21	14	59-4881		PHIL PAN 10-24 X .375 w-STARWASHER
	20	2	10-3406		CABLE CLAMP .312
	19	4	10-3432		CABLE CLAMP .187
	18	1	91-2294	B-5947	MOUNT PLATE, COLUMN M3000LC
	17	1	15-1161	B-6053	HARNESS POWER INLET M3000
	16	1	91-2287	A-5940	BRACKET AC INLET, M3000
	15	3	59-7065		LOCKWASHER .25 HEL SPRING
	14	2	59-1834		HEX HD .25-20 X .50
	13	4	59-3948		SOC FLT .375-16 X 1.25
	12	4	59-2025		HEX NUT .375-16
	11	1	91-2288	A-5941	WELDMENT CB6 (LINAK) BRACKET
	10	1	50-2358	D-6010	COVER REAR M3000CL
	9	1	15-1108	B-4563	DJB BOX CABLE
	8	1	90-2289	B-5942	BRACKET, CB06 MOUNT-M3000LC
	7	1	10-4546		DJBX
	6	1	10-4570		CB06 CONTROL 115 VOLT
*	5	1	10-4571		CB06 CONTROL 230 VOLT
	4	1	91-2281	B-5935	FLOOR PLATE: LC-8/FB-10 BASE
	3	1	10-4572		COLUMN DL2 200mm
*	2	1	15-2363	B-5980	ASSEMBLY FOOT CONTROL 230V.-M3000LC
	1	1	15-2362	B-5980	ASSEMBLY FOOT CONTROL 115V.-M3000LC
230 V.	ITEM	QTY	PART NO	DWG NO	DESCRIPTION

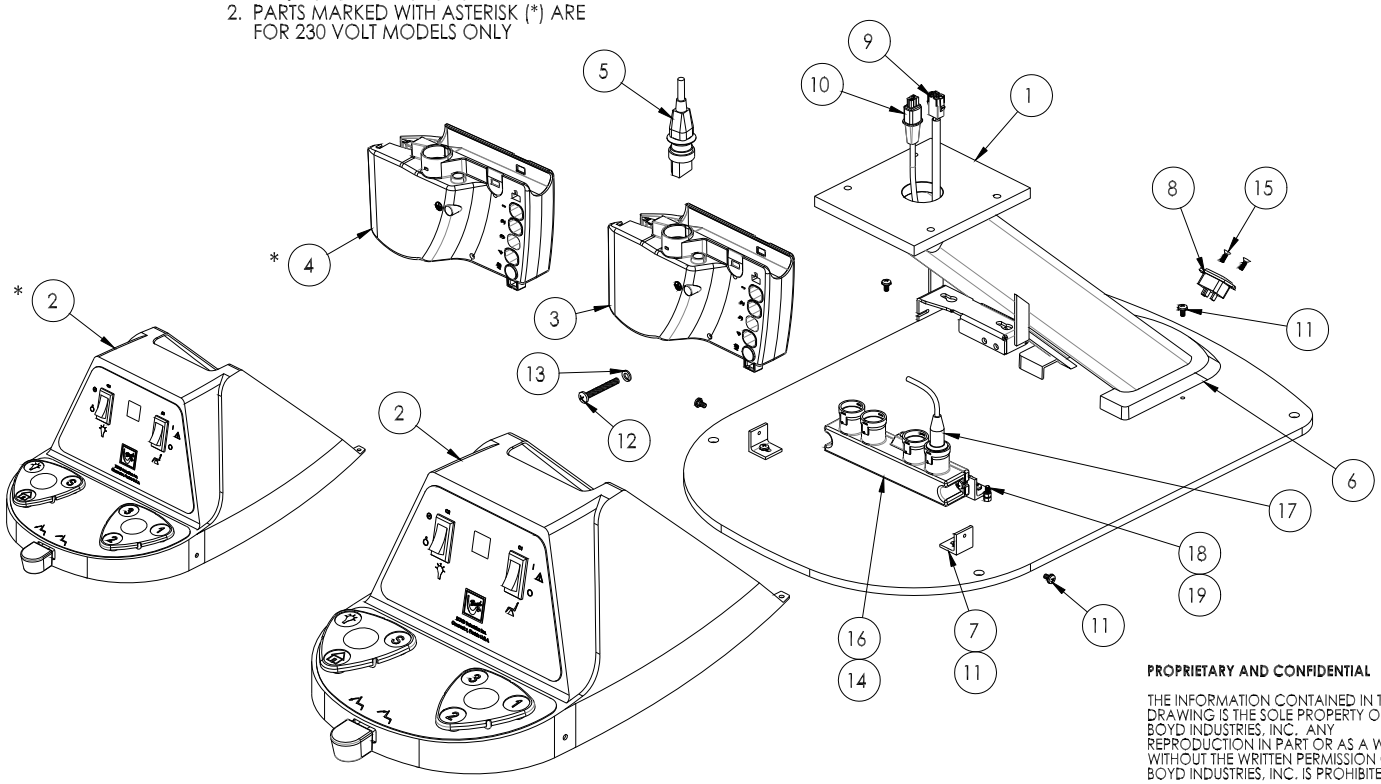
PARTS BREAKDOWN:
FB-10 BASE ASSEMBLY
M3000FB/M3010FB MODELS

PART NUMBER: 95-2282 115V. PUTTY PART NUMBER 95-2283 230V. PUTTY
PART NUMBER: 95-2282B 115V. BLACK PART NUMBER 95-2283B 230V. BLACK
REF. DRAWING B-5931-C

NOTES:

UNLESS OTHERWISE NOTED:

1. CHAIR POWER CORD & CHAIR ANCHORS ARE NOT SHOWN.
2. PARTS MARKED WITH ASTERISK (*) ARE FOR 230 VOLT MODELS ONLY



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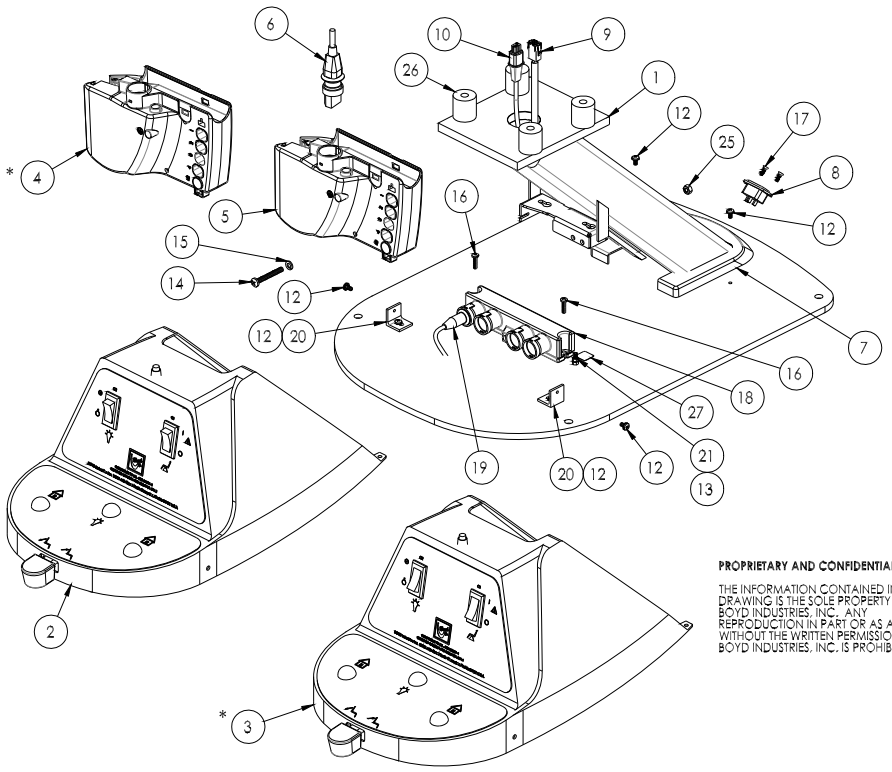
	26	1	60-1688		LABEL, EARTH GROUND
	25	4	91--0761	A-3835	SPACER, TILT PLATE
	24	1	59-2013		HEX NUT 1/4-20UNC
	23	4	59-1765		ANCHOR .25 DIA. X 2.062 SLDPRT
*	22	1	10-3396		POWER CORD 230 V.
**	21	1	10-1421		POWER CORD 4 FOOT, 115 V.
	20	2	59-2007		HEX NUT 10-24 + STARWASHER
	19	1	60-1127		GROUND STUD 10-24 X 1 S.S.
	18	2	91-2286	A-5939	MOUNT ANGLE FOOT CONTROL M300X
	17	1	15-1108	B-4563	DJB BOX CABLE
	16	1	10-4546		DJBX
	15	2	59-4842		PHIL FLAT 6-32 X .50
	14	2	59-4875		PHIL PAN 10-24 X .75
	13	1	59-7065		LOCKWASHER .25 HEL SPRING
	12	1	59-4888		PHIL PAN .25-20 X 2.00
	11	6	59-4881		PHIL PAN 10-24 X .375 w-STARWASHER
	10	1	10-4547		CABLE, EXTENSION 1000mm LA31
	9	1	15-1162	B-6054	CABLE, AC OUTLET M3000
	8	1	15-1161	B-6053	HARNESS POWER INLET M3000
	7	1	50-0842	B-4470	COVER, COLLAR 200X BASE
	6	1	15-0117	B-5582	AC CORD, LINAK
**	5	1	10-4570		CB06 CONTROL 115 VOLT
*	4	1	10-4571		CB06 CONTROL 230 VOLT
*	3	1	15-2365	B-5982	ASSEMBLY FOOT CONTROL 230V. -M3000FB
**	2	1	15-2364	B-5981	ASSEMBLY FOOT CONTROL-M3000FB 115V.
	1	1	91-2282	B-5934	WELDMENT M300X BASE
230V	ITEM	QTY	PART NO	DWG NO	DESCRIPTION

PARTS BREAKDOWN:
FB-X BASE ASSEMBLY
M300X MODEL
PART NUMBER: 95-2284115V. PUTTY PART NUMBER 95-2285 230V. PUTTY
PART NUMBER: 95-2284B115V. BLACK PART NUMBER 95-2285B 230V. BLACK
REF. DRAWING B-5932-C

NOTES:
UNLESS OTHERWISE NOTED:

1. CHAIR POWER CORD & CHAIR ANCHORS ARE NOT SHOWN.
2. PARTS MARKED WITH ASTERISK (*) ARE FOR 230 VOLT MODELS ONLY
   PARTS MARKED WITH TWO ASTERISKS (**) ARE NOT USED ON 230 VOLT MODELS
3. ALIGN SPACERS WITH MOUNT HOLES AND SUPER GLUE TO CHAIR MOUNT PLATE



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	27	1	60-1688		LABEL, EARTH GROUND
	26	4	91--0761	A-3835	SPACER, TILT PLATE
	25	1	59-2013		HEX NUT 1/4-20UNC
	24	4	59-1765		ANCHOR .25 DIA. X 2.062 SLDPRT
*	23	1	10-3396		POWER CORD 230 V.
**	22	1	10-1421		POWER CORD 4 FOOT, 115 V.
	21	1	60-1127		GROUND STUD 10-24 X 1 S.S.
	20	2	91-2286	A-5939	MOUNT ANGLE FOOT CONTROL M300X
	19	1	15-1108	B-4563	DJB BOX CABLE
	18	1	10-4546		DJBX
	17	2	59-4842		PHIL FLAT 6-32 X .50
	16	2	59-4875		PHIL PAN 10-24 X .75
	15	1	59-7065		LOCKWASHER .25 HEL SPRING
	14	1	59-4888		PHIL PAN .25-20 X 2.00
	13	3	59-2007		HEX NUT 10-24 + STARWASHER
	12	6	59-4881		PHIL PAN 10-24 X .375 w-STARWASHER
	11	1	10-3406		CABLE CLAMP .312
	10	1	10-4547		CABLE, EXTENSION 1000mm LA31
	9	1	15-1162	B-6054	CABLE, AC OUTLET M3000
	8	1	15-1161	B-6053	HARNESS POWER INLET M3000
	7	1	50-0842	B-4470	COVER, COLLAR 200X BASE
	6	1	15-0117	B-5582	AC CORD, LINAK
**	5	1	10-4570		CB06 CONTROL 115 VOLT
*	4	1	10-4571		CB06 CONTROL 230 VOLT
*	3	1	15-2367	B-5982	ASSEMBLY FOOT CONTROL 230V.-M300X
**	2	1	15-2366	B-5982	ASSEMBLY FOOT CONTROL 115V.-M300X
	1	1	91-2282	B-5934	WELDMENT M300X BASE
230V.	ITEM	QTY	PART NO	DWG NO	DESCRIPTION

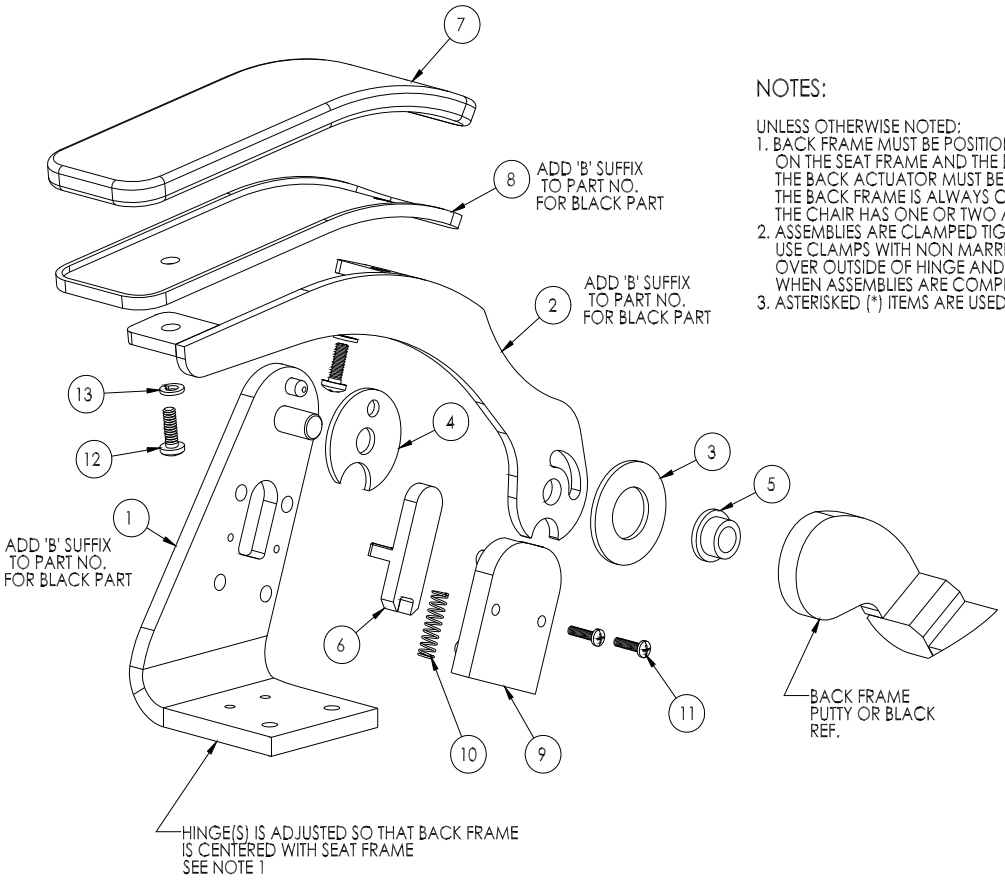
PARTS BREAKDOWN: M3000 SERIES ARM ASSEMBLY

ARM ASSEMBLY PART NUMBERS:

PAIR:	68-2200	PUTTY	PAIR:	68-2200B	BLACK
RIGHT:	68-2201	PUTTY	RIGHT:	68-2201B	BLACK
LEFT:	68-2202	PUTTY	LEFT:	68-2202B	BLACK

REF. DRAWING B-6040

NOTE: PUTTY & BLACK ARE COLORS FOR THE PLASTIC COVER(S)



NOTES:

UNLESS OTHERWISE NOTED:
1. BACK FRAME MUST BE POSITIONED SO THAT BACK ACTUATOR MOUNT BARS ON THE SEAT FRAME AND THE BACK FRAME ARE IN LINE. THE BACK ACTUATOR MUST BE IN ALIGNMENT. THE BACK FRAME IS ALWAYS CENTERED WITH THE SEAT FRAME, WHETHER THE CHAIR HAS ONE OR TWO ARMS.
2. ASSEMBLIES ARE CLAMPED TIGHT BEFORE HINGES ARE TIGHTENED. USE CLAMPS WITH NON MARRING SURFACES. EACH CLAMP IS PLACED OVER OUTSIDE OF HINGE AND INSIDE OF BACK FRAME. WHEN ASSEMBLIES ARE COMPLETED, ARMS SHOULD NOT FALL FREELY WHEN UNLOCKED.
3. ASTERISKED (*) ITEMS ARE USED WITH LEFT SIDE ASSEMBLIES ONLY.

RIGHT SIDE ARM ASSEMBLY IS SHOWN

BILL OF MATERIAL REFLECTS PAIR OF ARMS

ITEM	QTY	PART NO	DWG NO	DESCRIPTION
15	1	91-2376		WELDMENT HINGE, R. (FOR ARM) M3000
14	1	91-2372	B-6041	WELDMENT ARM L. M3000
13	2	59-7065		LOCKWASHER .25 HEL SPRING
12	2	59-4831		PHIL PAN .25-20 X .75
11	2	59-4877		PHIL PAN 8-32 X .75
10	1	60-1571		SPRING, COMP. .343 X 1.25 X .035
9	1	93-2330	A-6048	ARM RELEASE HOUSING
8	1	50-2367	B-6016	COVER M3000 ARM
7	1	67-3005	B-6027	ARM UPHOLSTERY: M3000/M300X
6	1	90-2329	A-6049	ARM RELEASE
5	1	60-3785		BUSHING, BRONZE .FLANGED 50 X .75 X .50
4	1	90-2328	A-6050	DISC BLACK W/ROLL PIN HOLE
3	1	90-2327	A-5979	DISC BLACK DELRIN 2.0 X .125 THICK
2	1	91-2373	B-6041	WELDMENT ARM R. M3000
1	1	91-2377	B-6044	WELDMENT HINGE, R. (FOR ARM) M3000

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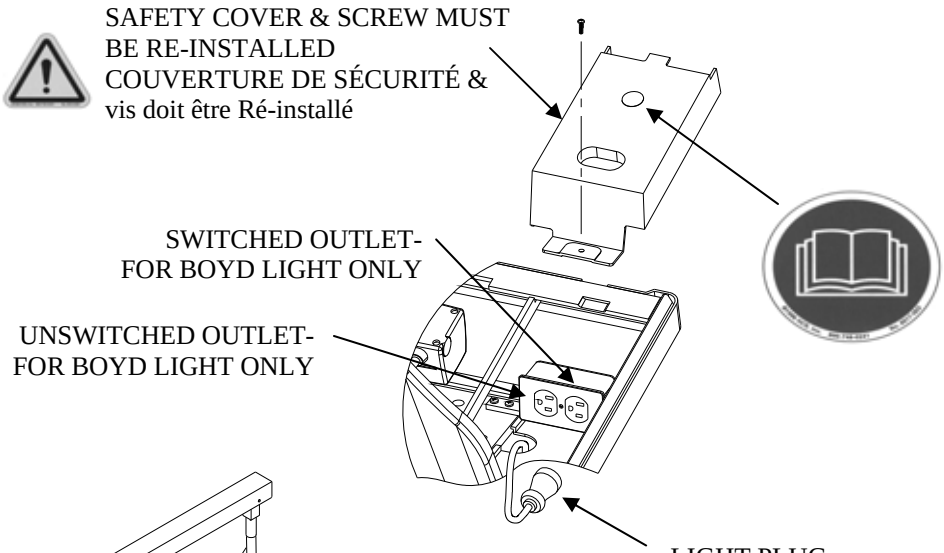
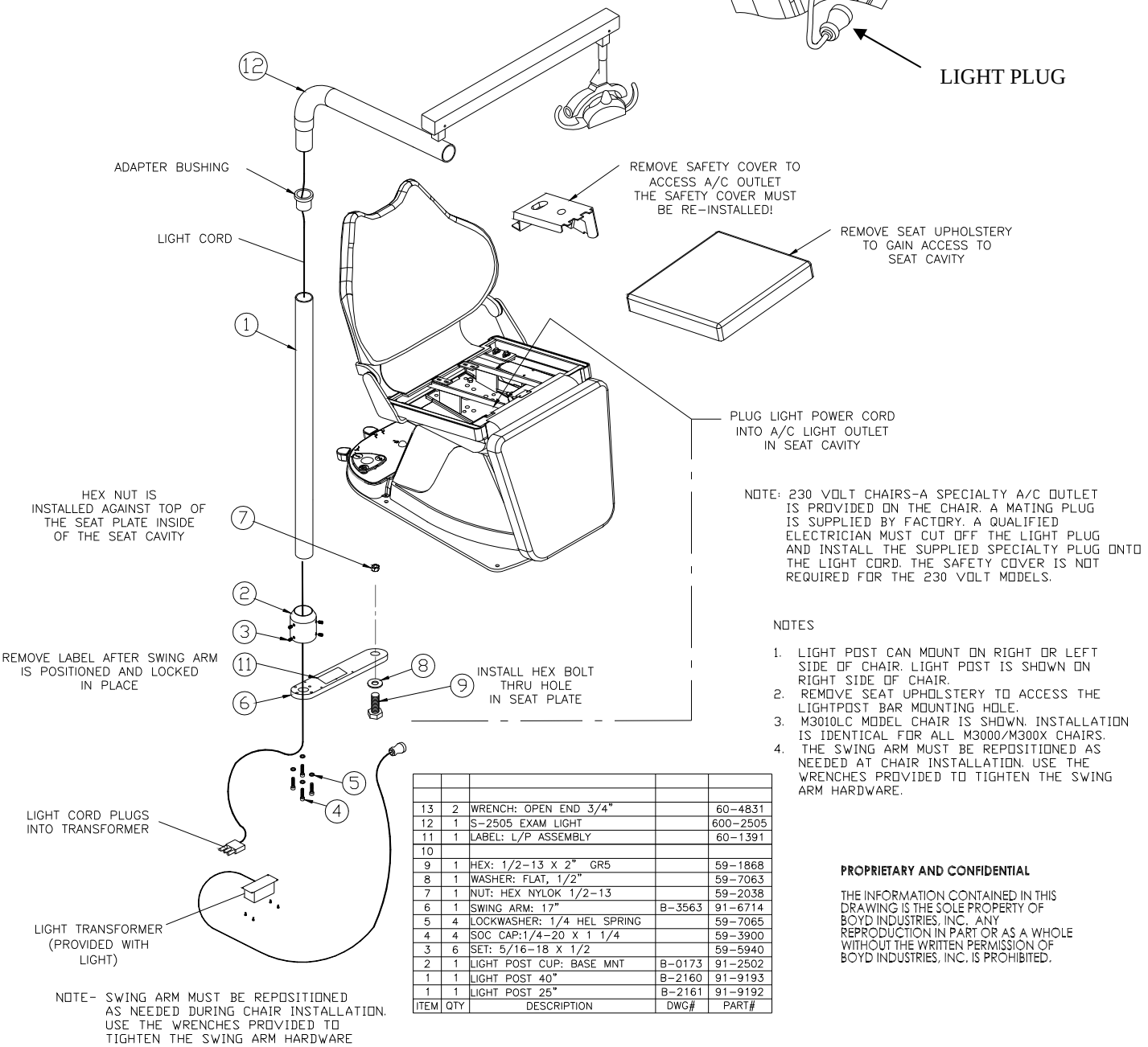
PARTS BREAKDOWN: LIGHT POST ASSEMBLY

M3010 CHAIR IS SHOWN WITH RIGHT SIDE LIGHTPOST ASSEMBLY

P/N 95-2570 PUTTY (RIGHT) 25" POST
P/N 95-2570B BLACK (RIGHT) 25" POST
P/N 95-2571 PUTTY (LEFT) 25" POST
P/N 95-2571B BLACK (LEFT) 25" POST
P/N 95-2572 PUTTY (RIGHT) 40" POST
P/N 95-2572B BLACK (RIGHT) 40" POST
P/N 95-2573 PUTTY (LEFT) 40" POST
P/N 95-2573B BLACK (LEFT) 40" POST

REF. DRAWING B-6083-B


SAFETY COVER & SCREW MUST BE RE-INSTALLED
COUVERTURE DE SÉCURITÉ & vis doit être Ré-installé
SWITCHED OUTLET- FOR BOYD LIGHT ONLY
UNSWITCHED OUTLET- FOR BOYD LIGHT ONLY
LIGHT PLUG


12
ADAPTER BUSHING
LIGHT CORD
1
REMOVE SAFETY COVER TO ACCESS A/C OUTLET THE SAFETY COVER MUST BE RE-INSTALLED!
REMOVE SEAT UPHOLSTERY TO GAIN ACCESS TO SEAT CAVITY
PLUG LIGHT POWER CORD INTO A/C LIGHT OUTLET IN SEAT CAVITY
HEX NUT IS INSTALLED AGAINST TOP OF THE SEAT PLATE INSIDE OF THE SEAT CAVITY
7
2
3
REMOVE LABEL AFTER SWING ARM IS POSITIONED AND LOCKED IN PLACE
11
8
9
INSTALL HEX BOLT THRU HOLE IN SEAT PLATE
6
5
4
LIGHT CORD PLUGS INTO TRANSFORMER
LIGHT TRANSFORMER (PROVIDED WITH LIGHT)
NOTE- SWING ARM MUST BE REPOSITIONED AS NEEDED DURING CHAIR INSTALLATION. USE THE WRENCHES PROVIDED TO TIGHTEN THE SWING ARM HARDWARE

NOTE: 230 VOLT CHAIRS-A SPECIALTY A/C OUTLET IS PROVIDED ON THE CHAIR. A MATING PLUG IS SUPPLIED BY FACTORY. A QUALIFIED ELECTRICIAN MUST CUT OFF THE LIGHT PLUG AND INSTALL THE SUPPLIED SPECIALTY PLUG ONTO THE LIGHT CORD. THE SAFETY COVER IS NOT REQUIRED FOR THE 230 VOLT MODELS.

NOTES

1. LIGHT POST CAN MOUNT ON RIGHT OR LEFT SIDE OF CHAIR. LIGHT POST IS SHOWN ON RIGHT SIDE OF CHAIR.
2. REMOVE SEAT UPHOLSTERY TO ACCESS THE LIGHTPOST BAR MOUNTING HOLE.
3. M3010LC MODEL CHAIR IS SHOWN. INSTALLATION IS IDENTICAL FOR ALL M3000/M300X CHAIRS.
4. THE SWING ARM MUST BE REPOSITIONED AS NEEDED AT CHAIR INSTALLATION. USE THE WRENCHES PROVIDED TO TIGHTEN THE SWING ARM HARDWARE.

ITEM	QTY	DESCRIPTION	DWG#	PART#
13	2	WRENCH: OPEN END 3/4"		60-4831
12	1	S-2505 EXAM LIGHT		600-2505
11	1	LABEL: L/P ASSEMBLY		60-1391
10				
9	1	HEX: 1/2-13 X 2" GR5		59-1868
8	1	WASHER: FLAT, 1/2"		59-7063
7	1	NUT: HEX NYLOK 1/2-13		59-2038
6	1	SWING ARM: 17"	B-3563	91-6714
5	4	LOCKWASHER: 1/4 HEL SPRING		59-7065
4	4	SOC CAP:1/4-20 X 1 1/4		59-3900
3	6	SET: 5/16-18 X 1/2		59-5940
2	1	LIGHT POST CUP: BASE MNT	B-0173	91-2502
1	1	LIGHT POST 40"	B-2160	91-9193
1	1	LIGHT POST 25"	B-2161	91-9192

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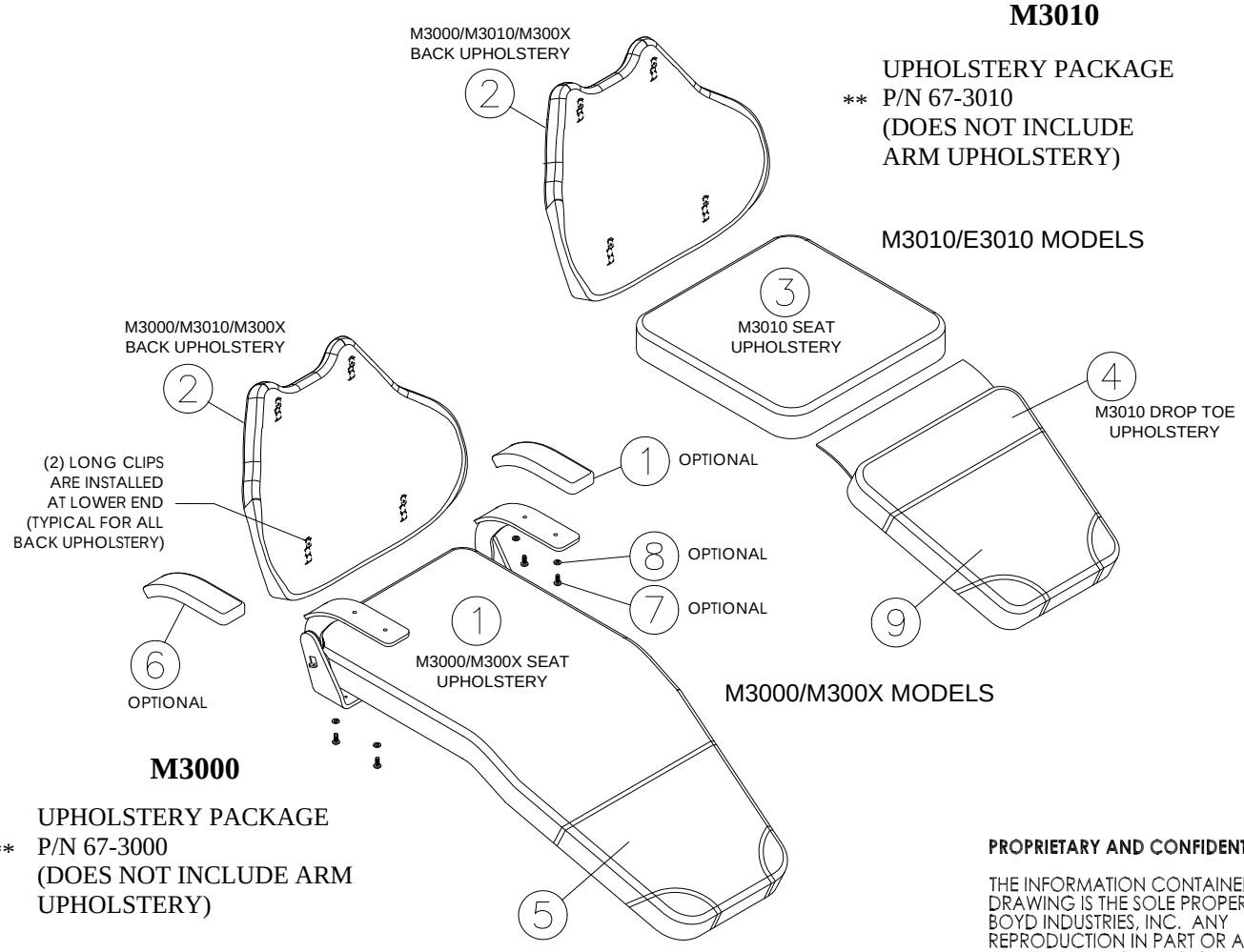
PARTS BREAKDOWN: M3000/M3010/M300X UPHOLSTERY PACKAGES

REFER TO THE NEXT PAGES FOR UPHOLSTERY INSTALLATION & REMOVAL



M3010

UPHOLSTERY PACKAGE
** P/N 67-3010
(DOES NOT INCLUDE ARM UPHOLSTERY)

M3010/E3010 MODELS

M3000/M300X MODELS

M3000

UPHOLSTERY PACKAGE
** P/N 67-3000
(DOES NOT INCLUDE ARM UPHOLSTERY)

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ITEM	PART NO.	DESCRIPTION
9	67-2025	TOE COVER M3010
8	59-7065	LOCKWASHER: 1/4”
7	59-4833	PHILLIPS PAN HEAD: 1/4-20 X 1”
6	67-3005	ARM UPHOLSTERY
5	67-2020	TOE COVER M3000
4	67-3012	DROP TOE UPHOLSTERY
3	67-3011	SEAT UPHOLSTERY (TWO PIECE)
2	67-3001	BACK UPHOLSTERY
1	67-3001	SEAT UPHOLSTERY (ONE PIECE)

** <u>INFORMATION REQUIRED:</u>

- UPHOLSTERY COLOR
- UPHOLSTERY STYLE
- HEADREST STYLE
- DOES CHAIR HAVE ARMS?

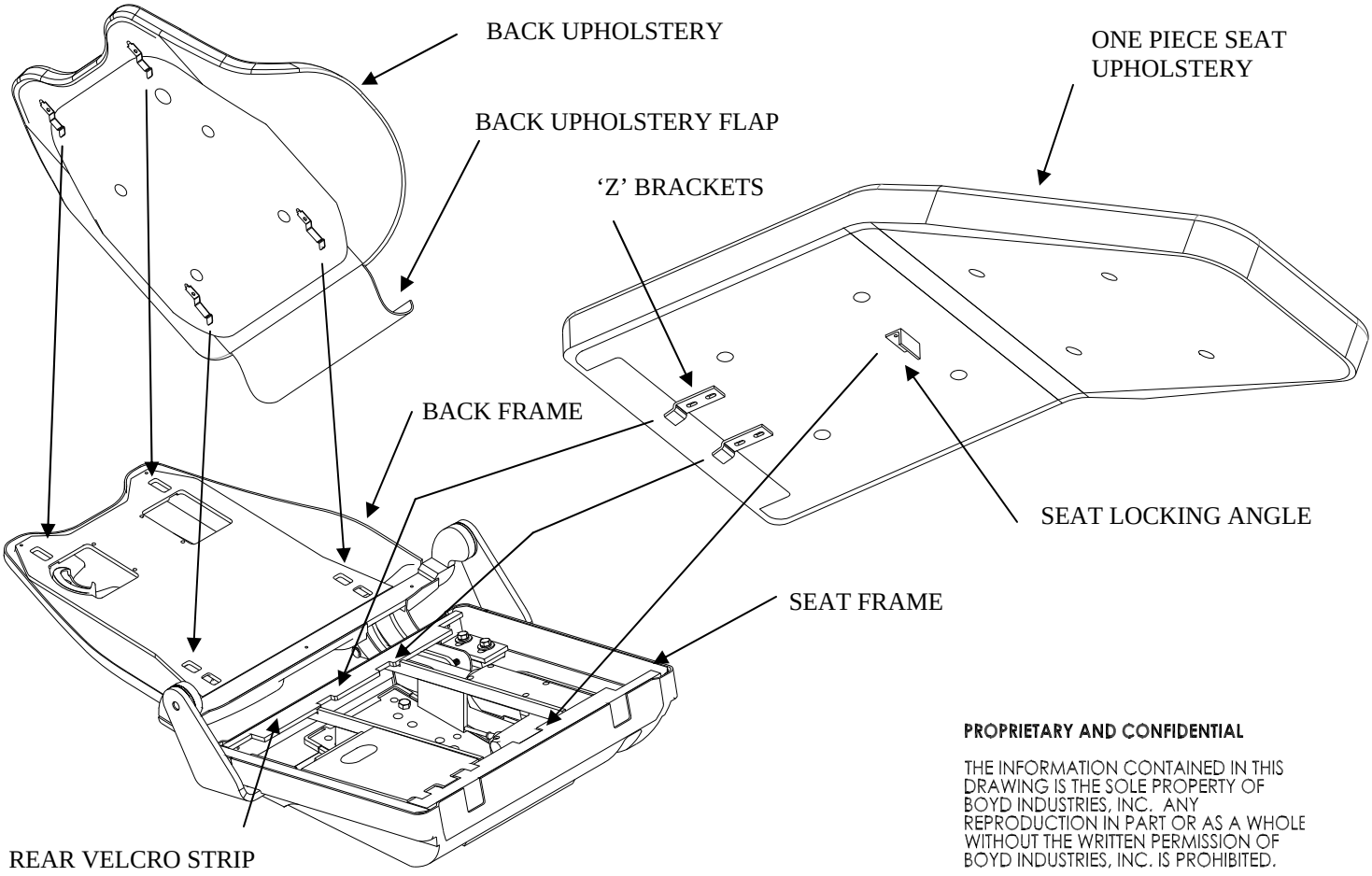
INSTALLATION: M3000/M300X UPHOLSTERY

BACK UPHOLSTERY– PLACE THE BACK UPHOLSTERY AGAINST THE BACK FRAME WITH THE TWO BOTTOM (LONG) CLIPS INTO THE TOP SET OF LOWER OPENINGS.

MOVE BACK UPHOLSTERY SO THAT UPPER TWO CLIPS ENTER INTO THE UPPER OPENINGS IN THE BACK FRAME

WHEN ALL FOUR CLIPS ARE IN THE OPENINGS, PUSH BACK UPHOLSTERY DOWN TO LOCK CLIPS INTO OPENINGS.
LIFT BACK UPHOLSTERY AWAY FROM BACK FRAME TO VERIFY THAT THE UPHOLSTERY IS LOCKED SECURELY IN PLACE.
LIFT RETOUR À L'EXTÉRIEUR DE GARNISSAGE cadre du dossier pour vérifier que le revêtement est verrouillé en place.

ATTACH BACK UPHOLSTERY FLAP TO VELCRO STRIP AT REAR OF SEAT FRAME.



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ONE PIECE SEAT UPHOLSTERY– THE BACK UPHOLSTERY MUST BE IN PLACE BEFORE INSTALLING THE SEAT UPHOLSTERY. THE BACK SEAT FLAP MUST BE PRESSED ON TO THE REAR VELCRO STRIP BEFORE INSTALLING THE SEAT UPHOLSTERY.

PLACE THE TWO REAR 'Z' BRACKETS INTO THE TWO SLOTS AT REAR OF SEAT FRAME.
LOWER THE UPHOLSTERY SO THAT THE LOCKING ANGLE ENGAGES TIGHTLY INTO SLOT AT FRONT OF SEAT FRAME. THE ANGLE MUST BE IN THE SLOT AND NOT ON OUTSIDE OF THE SEAT FRAME.
ADJUST THE 'Z' BRACKET POSITIONS IF NECESSARY TO ACHIEVE A TIGHT FIT.

MOVE THE SEAT UPHOLSTERY BACK & FORTH AND SIDE TO SIDE TO VERIFY THAT SEAT UPHOLSTERY IS SECURELY FASTENED TO THE SEAT FRAME.

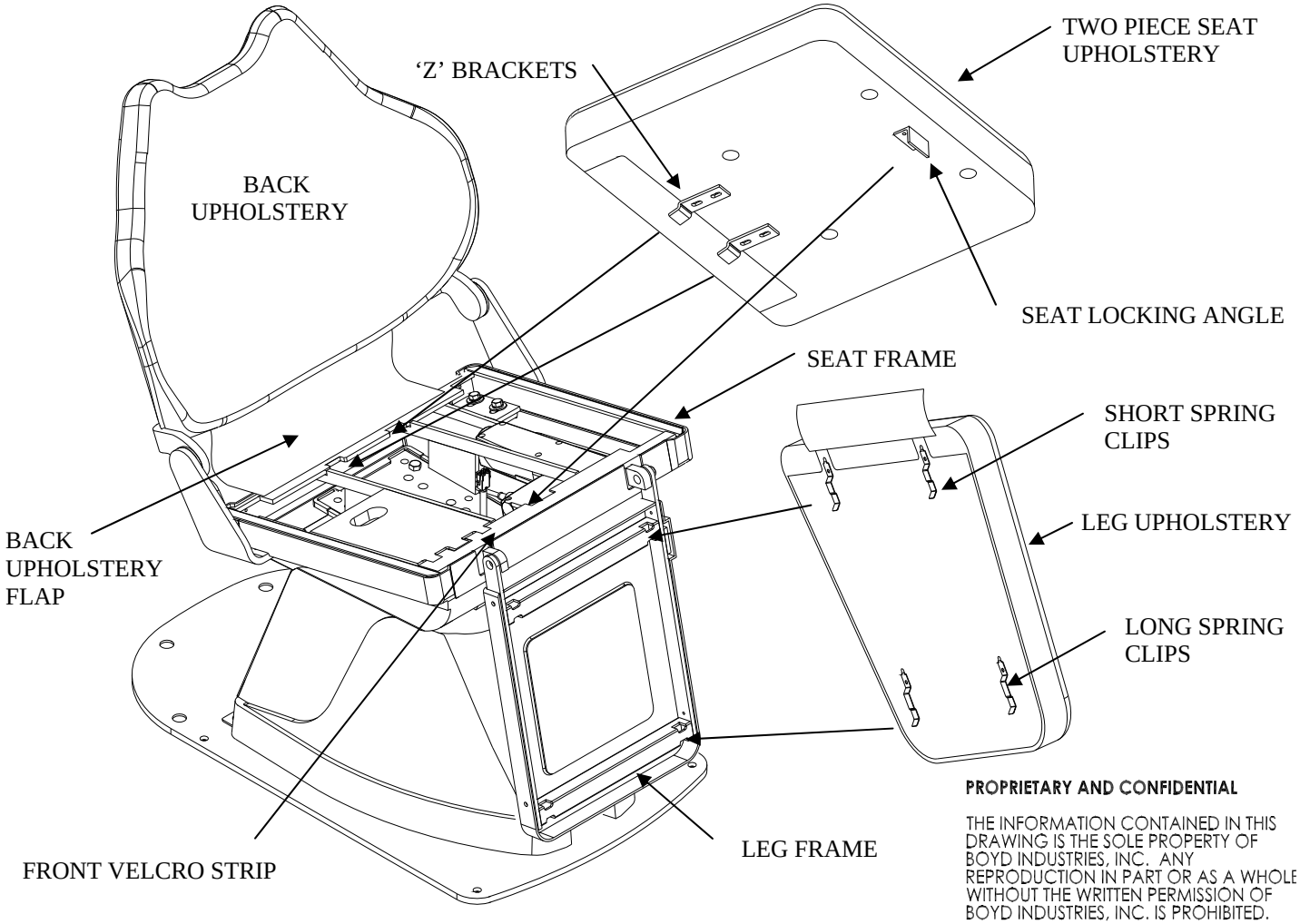
INSTALLATION: M3010/E3010 UPHOLSTERY

M3010 SEAT UPHOLSTERY– THE BACK UPHOLSTERY MUST BE IN PLACE BEFORE INSTALLING THE SEAT UPHOLSTERY (SEE PREVIOUS PAGE). THE BACK UPHOLSTERY FLAP MUST BE PRESSED ON TO THE REAR VELCRO STRIP BEFORE INSTALLING THE SEAT UPHOLSTERY.

PLACE THE TWO REAR 'Z' BRACKETS INTO THE TWO SLOTS AT REAR OF SEAT FRAME.
LOWER THE UPHOLSTERY SO THAT THE LOCKING ANGLE ENGAGES TIGHTLY INTO SLOT AT FRONT OF SEAT FRAME. THE ANGLE MUST BE IN THE SLOT AND NOT ON OUTSIDE OF THE SEAT FRAME.
ADJUST THE 'Z' BRACKET POSITIONS IF NECESSARY TO ACHIEVE A TIGHT FIT.

MOVE THE SEAT UPHOLSTERY BACK & FORTH AND SIDE TO SIDE TO VERIFY THAT SEAT UPHOLSTERY IS SECURELY FASTENED TO THE SEAT FRAME.
MOVE la garniture de siège arrière et en avant et de chaque côté pour vérifier que garniture de siège est solidement fixé au châssis de siège.

REFER TO PREVIOUS PAGE FOR BACK UPHOLSTERY INSTALLATION



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M3010 LEG UPHOLSTERY– WITH LEG FRAME IN THE FULL DOWN POSITION, PLACE THE TWO LONG REAR SPRING CLIPS AT BOTTOM OF LEG UPHOLSTERY INTO THE TWO SLOTS AT LOWER END OF SEAT FRAME. POSITION THE UPHOLSTERY SO THAT THE TWO UPPER SHORT CLIPS DROP INTO THE TWO SLOTS AT UPPER END OF THE SEAT FRAME. PUSH THE UPHOLSTERY DOWN TO ACHIEVE A TIGHT FIT.

PULL ON THE LEG UPHOLSTERY TO VERIFY THAT IT IS SECURELY FASTENED TO THE SEAT FRAME.
Tirez sur la UPHOLSTERY LEG pour vérifier qu'il est solidement fixé au châssis de siège

INSTALLATION: OPTIONAL CHAIR SWIVELS
LIFT BASE MODELS M3000LC, M3010LC

SWIVEL PART NO. 95-0532 DWG. B-4720

CHAIR SWIVEL INSTALLATION:
IT IS RECOMMENDED THAT THIS PROCEDURE BE PERFORMED WITH TWO PEOPLE AS THE CHAIR FRAME IS HEAVY

1. UNPLUG CHAIR POWER CORD. REMOVE SEAT UPHOLSTERY FROM CHAIR FRAME.
2. UNPLUG THE MOTOR EXTENSION CABLE & THE A/C OUTLET CABLE.
3. REMOVE THE FOUR MOUNTING SCREWS HOLDING THE CHAIR FRAME TO THE BASE.
4. REMOVE CHAIR FRAME FROM BASE.
5. UNLOCK THE SWIVEL. ROTATE THE SWIVEL TOP PLATE SO THAT THE FOUR LARGE HOLES ARE ALIGNED WITH THE FOUR MOUNT HOLES IN THE SWIVEL MOUNT PLATE. LOCK THE SWIVEL IN THIS POSITION.
6. INSTALL SWIVEL TO CHAIR BASE USING THE HARDWARE PROVIDED. TAKE CARE TO ROUTE THE TWO CABLES THRU THE SLOT SHOWN IN BASE & UP THRU THE LARGE OPENING IN SWIVEL. DO NOT CRIMP THE CABLES!
7. POSITION THE CHAIR FRAME OVER THE BASE, ROUTE THE TWO CABLES THRU THE LARGE OPENING IN THE SEAT MOUNT PLATE.
8. SECURE THE CHAIR FRAME TO BASE WITH HARDWARE SHOWN. DO NOT USE LONGER SCREWS; LONGER SCREWS WILL LOCK THE SWIVEL PERMANENTLY.
9. TEST THE SWIVEL BY UNLOCKING THE SWIVEL, ROTATING CHAIR AND LOCKING THE SWIVEL. IF ADJUSTMENTS ARE REQUIRED, SEE NEXT PAGE.
10. INSTALL THE SEAT UPHOLSTERY, PLUG CHAIR POWER CORD.

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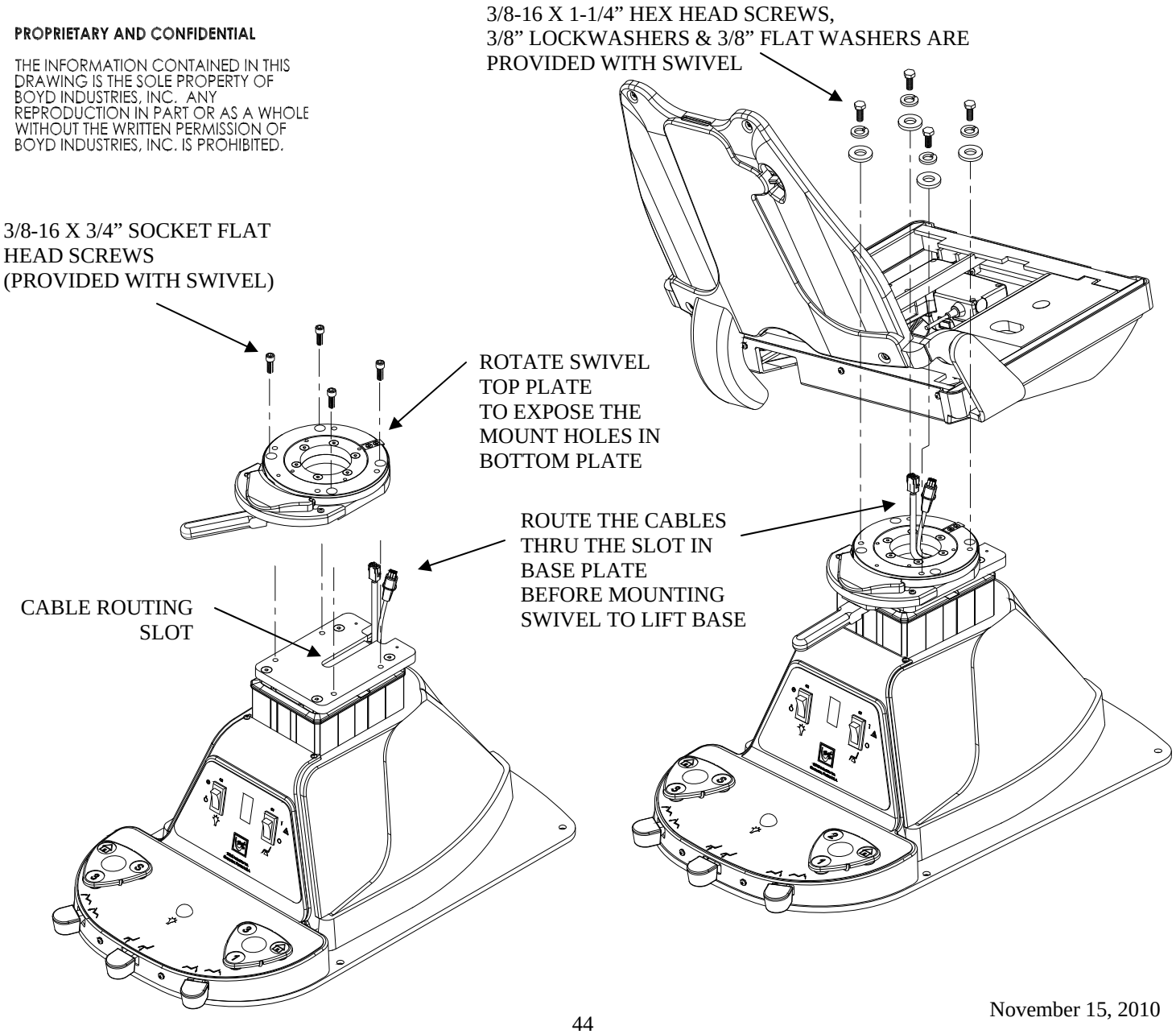

INSTALLATION: OPTIONAL CHAIR SWIVELS
FIXED BASE MODELS M300X, M3000FB, M3010FB

SWIVEL PART NO. 95-0532 DWG. B-4720

CHAIR SWIVEL INSTALLATION:
IT IS RECOMMENDED THAT THIS PROCEDURE BE PERFORMED WITH TWO PEOPLE AS THE CHAIR FRAME IS HEAVY

1. UNPLUG CHAIR POWER CORD. REMOVE SEAT UPHOLSTERY FROM CHAIR FRAME.
2. UNPLUG THE MOTOR EXTENSION CABLE & THE A/C OUTLET CABLE.
3. REMOVE THE FOUR MOUNTING SCREWS HOLDING THE CHAIR FRAME TO THE BASE.
4. REMOVE CHAIR FRAME FROM BASE; DO NOT REMOVE THE FOUR BASE SPACERS.
5. UNLOCK THE SWIVEL. ROTATE THE SWIVEL TOP PLATE SO THAT THE FOUR LARGE HOLES ARE ALIGNED WITH THE FOUR MOUNT HOLES IN THE SWIVEL MOUNT PLATE. LOCK THE SWIVEL IN THIS POSITION.
6. INSTALL SWIVEL ON TO CHAIR BASE SPACERS USING THE 2" LONG SCREWS PROVIDED. TAKE CARE TO ROUTE THE TWO CABLES THRU THE LARGE OPENING IN SWIVEL. DO NOT CRIMP THE CABLES!
7. POSITION THE CHAIR FRAME OVER THE BASE, ROUTE THE TWO CABLES THRU THE LARGE OPENING IN THE SEAT MOUNT PLATE.
8. SECURE THE CHAIR FRAME TO BASE WITH HARDWARE SHOWN. DO NOT USE LONGER SCREWS; LONGER SCREWS WILL LOCK THE SWIVEL PERMANENTLY.
9. TEST THE SWIVEL BY UNLOCKING THE SWIVEL, ROTATING CHAIR AND LOCKING THE SWIVEL. IF ADJUSTMENTS ARE REQUIRED, SEE NEXT PAGE.
10. INSTALL THE SEAT UPHOLSTERY, PLUG CHAIR POWER CORD.

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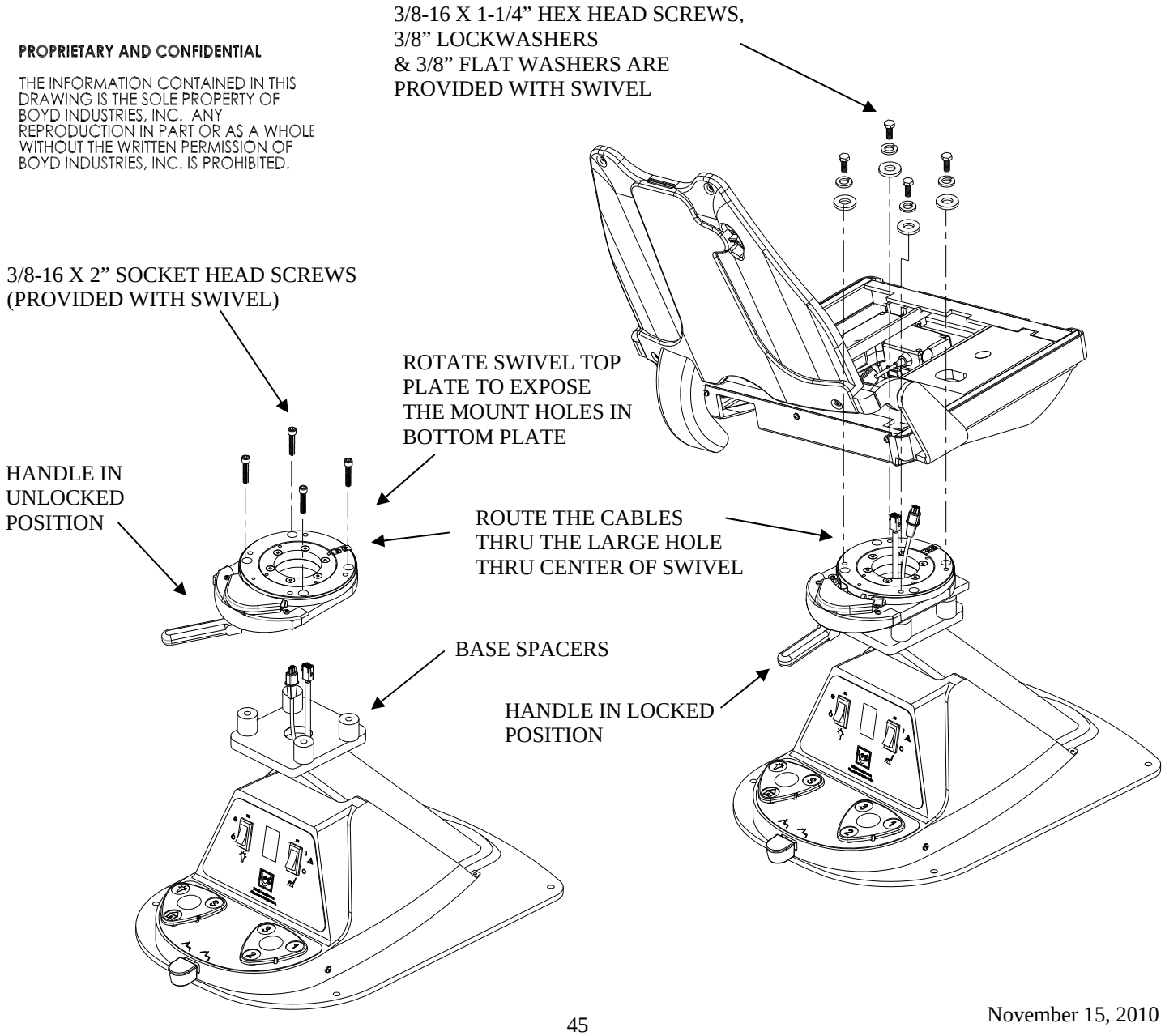
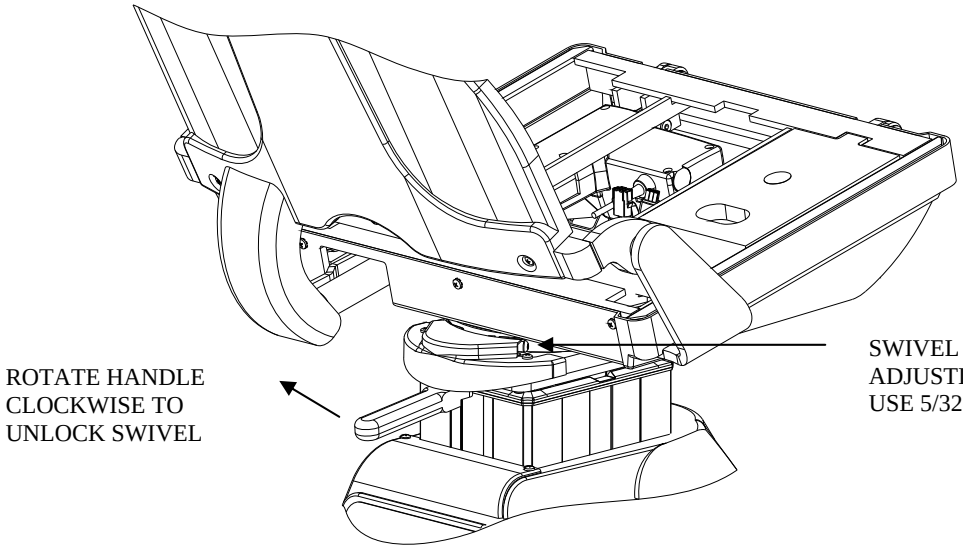


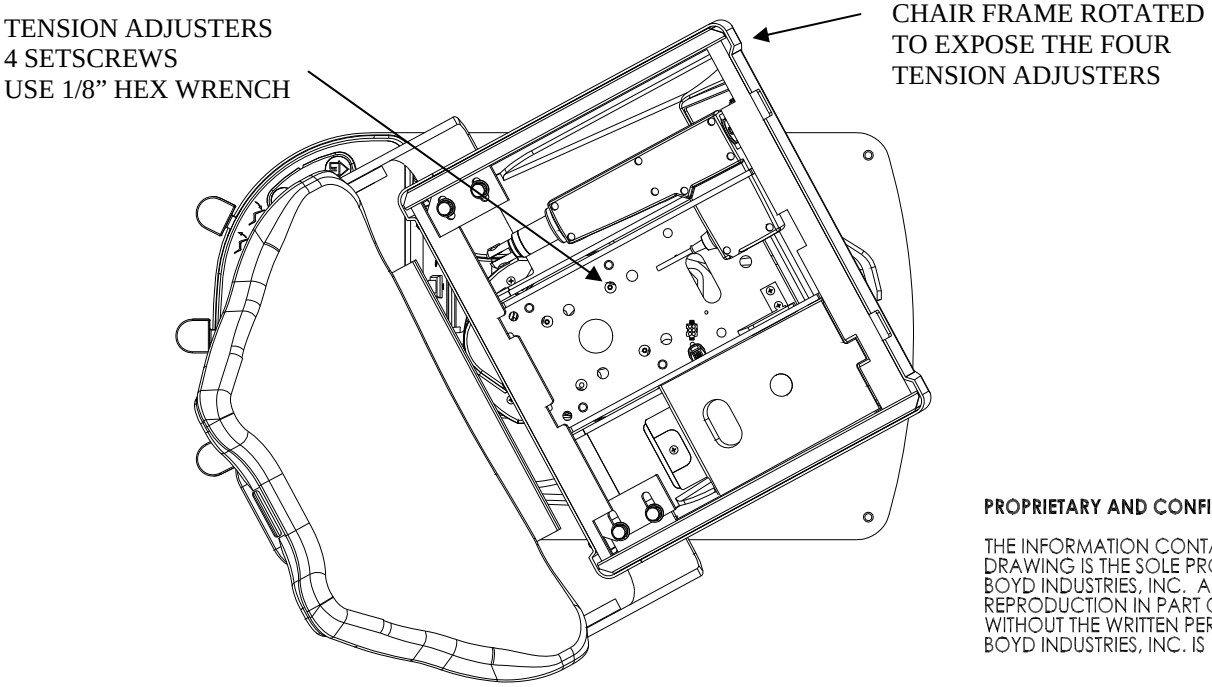
OPERATION/ADJUSTMENT: OPTIONAL CHAIR SWIVELS
ALL MODELS

TO UNLOCK CHAIR SWIVEL– ROTATE HANDLE CLOCKWISE IN DIRECTION OF ARROW
TO LOCK CHAIR SWIVEL– ROTATE IN COUNTER CLOCKWISE ROTATION



SWIVEL HANDLE IS SHOWN
IN LOCKED POSITION

SWIVEL BRAKE ADJUSTMENT: UNLOCK SWIVEL. USING A 5/32" HEX WRENCH, TURN THE SCREW CLOCKWISE 1/4 TURN . LOCK THE SWIVEL AND TEST BRAKE BY ROTATING THE CHAIR TOP IN EITHER DIRECTION. IF CHAIR STILL
ROTATES, TIGHTEN THE ADJUSTING SCREW ANOTHER 1/4 TURN. IF CHAIR DOES NOT LOCK, CALL FOR SERVICE.



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ADJUSTING SWIVEL TENSION: REMOVE THE SEAT UPHOLSTERY. UNLOCK CHAIR SWIVEL & ROTATE CHAIR TO THE POSITION SHOWN TO ACCESS THE FOUR TENSION SCREWS. USING A 1/8" HEX WRENCH, SLIGHTLY TIGHTEN ONE SCREW AT A TIME AND CHECK THE CHAIR ROTATION AFTER EACH ADJUSTMENT.. A VERY SMALL ADJUSTMENT IS REQUIRED. THE SWIVEL CAN BE PERMANENTLY LOCKED IF ANY OR ALL OF THE SCREWS ARE OVER TIGHTENED.

TROUBLE SHOOTING GUIDE

SYMPTOMS:	APPROPRIATE ACTION:
CHAIR WILL NOT OPERATE	CHECK THE MAIN SWITCH (C1) TO INSURE THAT IT IS ON, IT WILL BE ILLUMINATED IF IT IS ON.
CHAIR WILL NOT OPERATE	CHECK THE A/C OUTLET THAT THE CHAIR IS PLUGGED INTO TO INSURE THAT THERE IS POWER GOING TO THE CHAIR. ALSO CHECK THE BUILDING'S CIRCUIT BREAKERS.
MAIN SWITCH (C1) IS ON OUTLET ON CHAIR WORKS MOTORS WILL NOT WORK	CHECK TO MAKE SURE THAT THE CABLE PLUG ON THE MOTOR IS PUSHED ALL THE WAY INTO THE CONTROL BOX AND INTO THE EXTENSION CABLE UNDER THE SEAT. ALSO CHECK THE CABLES TO AND FROM THE DJB BOX TO BE SURE THAT THEY ARE PLUGGED IN TIGHTLY. RESET CONTROL BOX- FOR PROGRAMMABLE MODELS: (M3000/M3010/E3010) PRESS AND HOLD BOTH POSITION '1' & POSITION '2' SWITCHES DOWN FOR FIVE TO TEN SECONDS OR UNTIL BEEPING STOPS AND CHANGES TO A STEADY TONE. DEPRESS THE AUTORETURN SWITCH TO RESET ACTUATORS. FOR NON-PROGAMMABLE MODEL (M300X): HOLD RESET SWITCH (LOCATED AT TOP OF FOOT CONTROL COVER) DOWN FOR TEN SECONDS OR UNTIL BEEPING STOPS AND CHANGES TO A STEADY TONE. DEPRESS EITHER AUTORETURN SWITCH TO RESET ACTUATOR.
NOISY MOTOR(S)	DAMAGED GEARS - CALL FOR SERVICE.
FOOT SWITCH LIGHT WILL NOT WORK	CHECK LIGHT CIRCUIT BREAKER. (C2) WILL BE ILLUMINATED IF IT IS TURNED ON. ALSO CHECK BREAKER BULB.
CIRCUIT BREAKER / SWITCH FOR LIGHT (C2) KEEPS TRIPPING	ITEM PLUGGED INTO LIGHT SWITCH OUTLET IN CHAIR EXCEEDS AMP RATING. THE RATING FOR THIS OUTLET IS: 5 AMPS ON A 115VOLT CHAIR - 2 AMPS ON A 230VOLT CHAIR. CHECK IDENTIFICATION LABEL ON CHAIR FOR CHAIR VOLTAGE.
DROP ARMS WILL NOT RELEASE	DAMAGED RELEASE MECHANISM - CALL FOR SERVICE. THIS IS USUALLY CAUSED BY SOMEONE SITTING ON THE ARM OR LIFTING THE CHAIR BY THE ARM.

COMMON PROBLEMS

SYMPTOMS:	APPROPRIATE ACTION:
REPLACEMENT MOTOR DOES NOT WORK	THE PLUGS ON THESE MOTORS ARE WATER TIGHT AND FIT VERY TIGHTLY INTO THE CONTROL BOX. INSURE THAT THE PLUG IS ALL THE WAY INTO THE CONTROL BOX.
HEADREST BAR WILL ONLY ENGAGE APPROX. 2"	THE HEADREST RELEASE LEVER MUST BE DEPRESSED WHILE INSTALLING THE HEADREST. PUSH AND HOLD RELEASE LEVER WHILE INSERTING HEADREST BAR INTO SLOT ON TOP OF THE BACK. IF THE HEADREST BAR STILL WILL NOT GO IN - CALL FOR SERVICE.

-WARNING-

ALWAYS DISCONNECT THE A/C POWER CORD AND PRESS THE MEMORY POSITION "1" SWITCH BEFORE DISCONNECTING OR CONNECTING MOTOR. FAILURE TO DISCONNECT THE A/C POWER CORD CAN CAUSE DAMAGE TO THE CONTROL BOX.

TOUJOURS DÉBRANCHER le cordon secteur POWER C et appuyez sur la position de mémoire "1" avant de débrancher ou SWITCH branche le moteur. Cette précaution, le A / cordon d'alimentation C PEUT PROVOQUER DES DOMMAGES au boîtier de commande.

Guidance and manufacturer's declaration – electromagnetic immunity

The Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC Chairs are intended for use in the electromagnetic environment specified below. The customer or the user of the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC should assure that they are used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment – guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	*3* Vrms	Portable and mobile RF communications equipment should be used no closer to any part of the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. **Recommended separation distance** $d = 1.2\sqrt{P}$ $d = 1.2\sqrt{P}$ 80 MHz to 800 MHz $d = 2.3\sqrt{P}$ 800 MHz to 2,5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, [a] should be less than the compliance level in each frequency range. [b] Interference may occur in the vicinity of equipment marked with the following symbol:
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	*3* V/m	

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

[a] Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC are used exceeds the applicable RF compliance level above, the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC .

[b] Over the frequency range 150 kHz to 80 MHz, field strengths should be less than *3* V/m.

Recommended separation distances
between portable and mobile RF communications equipment and the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC

The Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC are intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	**Separation distance according to frequency of transmitter** m		
	150 kHz to 80 MHz	**80 MHz to 800 MHz**	**800 MHz to 2,5 GHz**
	$d = 1.2\sqrt{P}$	$d = 1.2\sqrt{P}$	$d = 2.3\sqrt{P}$
0,01	0.12	0.12	0.23
0,1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Guidance and manufacturer's declaration – electromagnetic immunity			
The Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC are intended for use in the electromagnetic environment specified below. The customer or the user of the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC should assure that they are used in such an environment.			
Immunity test	**IEC 60601 test level**	**Compliance level**	**Electromagnetic environment – guidance**
Electrostatic discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/ burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines Not Applicable	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV differential mode ±2 kV common mode	1 kV differential mode ±2 kV common mode	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5 % U_T (>95 % dip in U_T) for 0,5 cycle 40 % U_T (60 % dip in U_T) for 5 cycles 70 % U_T (30 % dip in U_T) for 25 cycles <5 % U_T (>95 % dip in U_T) for 5 sec	<5 % U_T (>95 % dip in U_T) for 0,5 cycle 40 % U_T (60 % dip in U_T) for 5 cycles 70 % U_T (30 % dip in U_T) for 25 cycles <5 % U_T (>95 % dip in U_T) for 5 sec	Mains power quality should be that of a typical commercial or hospital environment. If the user of the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC require continued operation during power mains interruptions, it is recommended that the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC be powered from an uninterruptible power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A / m	3 A / m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE U_T is the a.c. mains voltage prior to application of the test level.			

	Guidance and manufacturer's declaration – electromagnetic emissions		
	The Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC are intended for use in the electromagnetic environment specified below. The customer or the user of the Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC should assure that they are used in such an environment.		
	Emissions test	Compliance	Electromagnetic environment – guidance
	RF emissions CISPR 11	Group 1	The Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC use RF energy only for their internal function. Therefore, their RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
	RF emissions CISPR 11	Class B	The Boyd models M3000LC, M3010LC, M3000FB, M3010FB, M300X & E3010LC are suitable for use in all establishments including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
	Harmonic emissions IEC 61000-3-2	Class A	
	Voltage fluctuations / flicker emissions IEC 61000-3-3	Complies	

MATERIAL SAFETY DATA SHEET

Doc# 1503
10/28/10

1. Product and Company Identification

Product number	990-002
Product name	**Vinyl and Leather Cleaner (15 oz)**
Effective date	19-Oct-2009
Company information	Sprayway, Inc. 1005 Westgate Drive Addison, IL 60101 United States
Company phone	General Assistance 630-628-3000
Emergency telephone US	800-424-9300
Emergency telephone outside US	703-527-3887
Version #	04
Supersedes date	24-Jul-2008

BOYD Industries Inc.
Conditioner
Boyd p/n 70-2701

2. Hazards Identification

Emergency overview

CONTENTS UNDER PRESSURE. Aerosol.
Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

Potential health effects

Routes of exposure	Eye contact. Skin contact. Ingestion.
Eyes	Contact may irritate or burn eyes. Eye contact may result in corneal injury.
Skin	This product may be harmful if it is absorbed through the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
Inhalation	Intentional misuse by concentrating and inhaling the product can be harmful or fatal.
Ingestion	Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion.
Target organs	2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans. Blood. Central nervous system.
Chronic effects	Unconsciousness. Conjunctiva. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.
Signs and symptoms	Corneal damage. Narcosis. Cyanosis. Conjunctivitis. Defatting of the skin. Irritation.

3. Composition / Information on Ingredients

Components	CAS #	Percent
2-Butoxyethanol	111-76-2	3 - 5
n-Butane	106-97-8	1 - 3
Non-hazardous and other components below reportable levels		> 90

4. First Aid Measures

First aid procedures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin contact	Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, get medical attention.
Ingestion	Have victim rinse mouth thoroughly with water. If ingestion of a large amount does occur, call a poison control center immediately.

5. Fire Fighting Measures

Flammable properties Vapor or gas may spread to distant ignition sources and flash back.

Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Protection of firefighters

Protective equipment and precautions for firefighters In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up.

6. Accidental Release Measures

Methods for containment Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage

Handling Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

Storage Level 1 Aerosol.
Contents under pressure. Do not puncture, incinerate or crush. Keep away from heat, sparks, and flame. Avoid exposure to long periods of sunlight. Store in cool place. Keep the container dry. Keep out of the reach of children. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH

Components	CAS #	TWA	STEL	Ceiling
2-Butoxyethanol	111-76-2	20 ppm	Not established	Not established
n-Butane	106-97-8	1000 ppm	Not established	Not established

OSHA

Components	CAS #	TWA	STEL	Ceiling
2-Butoxyethanol	111-76-2	50 ppm	Not established	Not established

Personal protective equipment

Eye / face protection Wear chemical goggles.

Skin protection Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

9. Physical & Chemical Properties

Appearance Aerosol.

Boiling point 210.2 °F (98.9 °C) estimated

Color White.

Flammability (HOC) 3.4905 kJ/g estimated

Flash back	No
Flash point	-156 °F (-104.4 °C) Propellant
Form	Aerosol.
Odor	Characteristic.
pH	12.2
Physical state	Liquid.
Pressure	60 - 80 psig @70°F
Solubility	Partially
Specific gravity	0.9775

10. Chemical Stability & Reactivity Information

Chemical stability	Risk of ignition. Stable at normal conditions.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	None known.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological Information

Acute effects Acute LD50: 4582 mg/kg estimated, Rat, Dermal

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

2-Butoxyethanol	111-76-2	Inhalation LC50 Rat 2.21 mg/L 4 h; Inhalation LC50 Rat 450 ppm 4 h; Oral LD50 Rat 470 mg/kg; Dermal LD50 Rat 2270 mg/kg; Dermal LD50 Rabbit 220 mg/kg
n-Butane	106-97-8	Inhalation LC50 Rat 658 mg/L 4 h

Sensitization Not expected to be hazardous by OSHA criteria.

Teratogenicity Not expected to be hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

LC50 1180 mg/L estimated, Fish, 96.00 Hours,
EC50 43631 mg/L estimated, Daphnia, 48.00 Hours,
IC50 89.14 mg/L estimated, Algae, 72.00 Hours,

13. Disposal Considerations

Waste codes D001: Waste Flammable material with a flash point <140 F
D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]

Disposal instructions Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

14. Transport Information

Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name	Consumer commodity
Hazard class	ORM-D
Subsidiary hazard class	None
Additional information:	
Packaging exceptions	156, 306
Packaging non bulk	156, 306
Packaging bulk	None

IMDG

Basic shipping requirements:	
Proper shipping name	AEROSOLS
Hazard class	2.1
UN number	1950
Additional information:	
Packaging exceptions	LTD QTY
Labels required	None

IATA

Basic shipping requirements:	
Proper shipping name	Aerosols, flammable
Hazard class	2.1
UN number	1950
Additional information:	
Packaging exceptions	LTD QTY
Labels required	2.1

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

2-Butoxyethanol	111-76-2	1.0 % de minimis concentration (applies to R-(OCH2CH2)n-OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230)

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - Yes
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

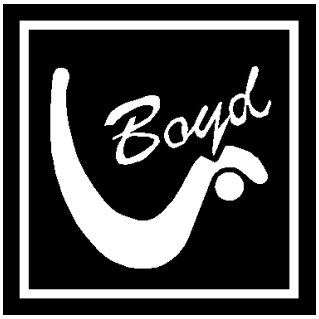
State regulations

U.S. - Pennsylvania - RTK (Right to Know) List

2-Butoxyethanol	111-76-2	Present
n-Butane	106-97-8	Present

16. Other Information

Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 1 Flammability: 1 Physical hazard: 0
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
MSDS sections updated	This document has undergone significant changes and should be reviewed in its entirety.
Prepared by	Regulatory Compliance



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